Auto Site Automotive
Seattle
LUST 592340
VCP NW2113

Pinnacle GeoSciences

13620 NE 20th Street, Suite J
Bellevue, Washington 98005-4901
Tel: 425.649.7535
Fax: 425.649.7537

January 14, 2009

Summary Letter
Site Remediation
Former Shell Oil Station
11803 Des Moines Memorial Drive South
Seattle, Washington
0260-002

Estate of (b) (6)
(b) (6)
Snohomish, Washington 98296

Attention: Ms. (b) (6)

1.0 INTRODUCTION AND BACKGROUND

This letter summarizes the results of soil remediation performed at the site of the former Shell service station located at 11803 Des Moines Memorial Drive South in unincorporated King County, Washington. The property is presently part of the Estate of (b) (6) and has been owned by the (b) (6) family since 1974. The site location is shown in Figure 1.

1.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT, ADDITIONAL RESEARCH, AND SITE RECONNAISSANCE

Pinnacle GeoSciences reviewed Environmental Associates, Inc.'s report titled ***Phase I Environmental Assessment***, dated February 28, 2005, for the site. In addition, we performed limited additional historical research at the site. The results of our review are summarized in our ***Summary Report; Former Shell Oil Service Station***, dated February 28, 2007. The results of the Phase I ESA and our additional research indicated that Shell Oil owned and operated a fuel service station with maintenance bays at the site from 1962 to 1974, at which time Shell Oil sold the site and facility to the (b) (6) family. Historical air photos show the likely locations of two service islands on the east side of the site, and the possible location of underground storage tanks on the north side of the site. The (b) (6) did not operate the site as a service station. The status of the USTs (underground storage tanks) was not documented and the Phase I research did not conclusively demonstrate whether the USTs had been removed. The (b) (6) family has rented the site to several automotive repair businesses.

We identified two underground hydraulic hoists and a filled in floor sump in the northern two lube bays of the building during the site reconnaissance which we performed as part of our historical research. In addition, an above-ground waste oil tank was present outside the back door on the west side of the building, and an above-ground heating oil tank was present on the north

side of the building. Drums of spent petroleum products were observed stored in the area on the south side of the building.

We performed a geophysical reconnaissance at the site in January 2008, in an effort to locate whether USTs remain at the site. The results of the survey are summarized in our memorandum dated January 15, 2008. The geophysical reconnaissance indicated that two small USTs, each about 4 feet in diameter, were present near the northwest corner of the building, and that three concrete slabs are present in the eastern portion of the site at the location where fuel service islands were observed in the historic air photos. No large fuel USTs were identified by the geophysical survey. The two small USTs detected by the geophysical reconnaissance are not registered, and are not present in Ecology's UST database.

The results of our historical research, site reconnaissance and geophysical survey identified the following potential sources of petroleum-related soil and ground water contamination at the site:

- Former fuel USTs, location unconfirmed but they were likely removed from the northern portion of the site.
- Former heating oil and waste oil USTs, remaining near the northwest corner of the building as confirmed by the geophysical survey.
- Former fuel service islands, removed from the eastern portion of the site. No aboveground portions of the service islands remain.
- Existing waste oil above-ground storage tank on the west side of the building.
- Existing hydraulic hoists and former sump in the northern two lube bays.
- Drum storage area on the south side of the building.

1.2 PHASE II SOIL AND GROUNDWATER ASSESSMENT

Pinnacle GeoSciences performed a Phase II soil and ground water assessment at the site in February and May, 2008 to assess whether soil and ground water contamination was likely to be present at the locations of these potential sources of contamination. Soil borings, Geoprobes and hand auger explorations were performed, and soil and ground water samples were tested for petroleum-related contamination. The results of our Phase II assessment activities are summarized in our ***Summary Letter; Site Assessment; Former Shell Oil Station***, dated June 27, 2008.

The results of the site assessment indicated that gasoline-related soil contamination was present in the likely location of the former fuel USTs, and mineral spirits/Stoddard solvent-related soil contamination was present beneath the northern service bay area. The gasoline-related soil contamination in the likely former USTs location appeared to extend to a maximum depth of 12 to 14 feet, and the mineral spirits-related soil contamination in the northern service bay appeared to extend to a maximum depth of about 12 feet. Non-contaminated soil was confirmed beneath the contaminated soil at both locations.

Soil contamination in excess of MTCA cleanup standards was not identified in the areas of the former fuel service islands, the waste oil above-ground tank, or the drum storage area. Significant soil contamination was not encountered in the area of the waste oil and heating oil USTs, although a recommendation was made to remove the USTs and perform additional assessment at that time. The second service bay from the north was not assessed because of the presence of concrete debris in the subsurface which did not allow explorations to be extended to an adequate depth.

Ground water was encountered in some, but not all, of the explorations completed for the Phase II site assessment. Where encountered, ground water was present in thin seams at depths ranging from 12.5 to 22 feet. In the explorations where ground water was encountered, it was not in contact with contaminated soil. Petroleum-related contaminants were not detected in the ground water samples that were tested. Of the two ground water samples that were tested, one was obtained from the boring located in the center of the likely former USTs location, and one was obtained from a boring located in the expected downgradient direction from the service bays and the heating oil and waste oil USTs. Because soil contamination was not documented in contact with ground water, and because contaminants were not detected in the ground water samples which were tested, no recommendations were made for additional ground water assessment.

Based on the results of the results of the Phase I ESA and Phase II soil and ground water assessment, we recommended the following remediation be performed:

- Excavate and dispose of gasoline-contaminated soil from the probable former fuel USTs location.
- Decommission and remove the waste oil and heating oil USTs, and excavate and dispose of any contaminated soil encountered.
- Remove the hoist and former sump in the northern service bay, and excavate and dispose of mineral spirits/Stoddard solvent-contaminated soil beneath the northern service bay.
- Excavate a test pit in the second service bay from the north to evaluate whether contaminated soil is present there, and excavate and dispose of contaminated soil there if any is encountered.

The (b) (6) family contracted Clear Creek Contractors to perform these activities. Pinnacle GeoSciences monitored and documented the remediation activities, and obtained soil samples to document that the remediation goals were successfully achieved. Those activities are summarized in this report.

2.0 SCOPE

The objective of our services at the site was to decommission and remove the heating oil and waste oil USTs, remediate known areas of soil contamination at the site, and evaluate whether additional remediation was necessary in the areas of the heating oil and waste oil USTs and the second service bay. Our specific scope of services to achieve these objectives was as follows:

1. Assist in selecting a cleanup contractor. Provide the selected contractor with a briefing and other information necessary to prepare them for the planned cleanup.
2. Assist in retaining a geotechnical engineer to monitor the structural safety of the building during excavation in the service bays, and to make recommendations on how to structurally support the building if the excavation extended too close to footings.
3. Observe excavation of gasoline-contaminated soil from the probable former fuel USTs location, field screen soil to identify and segregate non-contaminated overburden and identify when limits of contaminated soil have been reached, obtain soil samples from the stockpiled non-contaminated overburden, and obtain confirmation soil samples from the final limits of the excavation.
4. Observe and document the removal of the hydraulic hoist and former sump from the northern service bay. Observe excavation of mineral spirits/Stoddard solvent-contaminated soil from the northern service bay, field screen soil to identify when limits of contaminated soil have been reached, and obtain confirmation soil samples from the final limits of the excavation.
5. Observe and document the removal of the waste oil and heating oil USTs. Observe excavation of waste oil-contaminated soil from this location, field screen soil to identify when limits of contaminated soil have been reached, and obtain confirmation soil samples from the final limits of the excavation.
6. Observe excavation of a test pit adjacent to the hydraulic hoist in the second service bay from the north. Field screen soil and obtain soil samples to evaluate whether contaminated soil is present at this location.
7. Test soil samples obtained from the stockpiles, test pit and from the limits of the excavations for the appropriate analytes as summarized in Table 1. All testing was performed by CCI Analytical Laboratory, Inc. of Everett, Washington.
8. Prepare a written report summarizing the field activities.

3.0 SITE AND VICINITY DESCRIPTION

3.1 VICINITY

The site is located in Seattle, Washington, as shown in Figure 1. The ground surface in the vicinity of the site generally slopes downward towards the north and northeast. The nearest body of water is the Duwamish River, which is approximately 3,200 feet east northeast. Based on ***Geology of Seattle, Washington, United States of America (Glaster and Laprade, 1991)*** near surface soils at the site consist of Vashon till. Vashon till is described as an overconsolidated, poorly sorted mixture of sand, silt and gravel.

Our review of Ecology water well logs in the area of the site indicated that minor ground water is present in thin, discontinuous permeable lenses at various depths in the till. More significant aquifers are probably present at depths significantly greater than 50 feet.

3.2 SITE

The average site elevation is approximately 290 feet with respect to the National Geodetic Vertical Datum of 1929. The site surface slopes downward to the north. The site is completely covered by either the building or asphalt with the exception of a small area on the west side of the building.

Site surface water drainage is off site to a catch basin on the south side of the South 118th St. right of way.

The site, and the approximate location of site features, is shown in Figure 2.

4.0 CONTAMINANTS OF CONCERN AND CLEANUP LEVELS

Our site history research and the results of the soil and ground water assessment indicated that the contaminants of concern in the probably former fuel USTs location was primarily GRO (gasoline-range organics). BTEX (benzene, toluene, ethylbenzene and zylenes) were not detected in this area of the site either during previous assessment activities or during the site remediation. Low levels of DRO (diesel-range organics) and HO (heavy oils) were detected in this area during the remediation at concentrations much less that the applicable cleanup levels.

The primary contaminant of concern in the service bays was mineral spirits, which is a non-chlorinated solvent similar to Stoddard solvent. The two products are typically used interchangeably and testing laboratories usually do not attempt to differentiate between the two products when detected in soil or groundwater. For the remainder of this report, the product is referred to as "mineral spirits," with the exception that in the laboratory reports it is referred to as "mineral spirits" or "Stoddard solvent" interchangeably. Low levels of benzene and ethylbenzene were detected in one soil sample obtained from the service bays, at concentrations less than the applicable cleanup levels. Low levels of DRO and HO were detected in this area during the remediation at concentrations much less that the applicable cleanup levels. CVOCs (chlorinated volatile organic compounds) were not considered contaminants of concern in the northern service bay because they were tested for in previous assessment activities and not detected. CVOCs were considered potential contaminants of concern in the second service bay, which had not been previously assessed. Metals were also considered potential contaminants of concern in the service bays, but were not detected.

DRO and HO were the primary contaminants of concern in the heating oil and waste oil UST location. CVOCs, cPAHs (carcinogenic polycyclic aromatic hydrocarbons), PCBs (polychlorinated biphenyls) and metals were also considered potential contaminants of concern in this area, but were not detected. The laboratory chromatograms did not indicate that GRO was a contaminant of concern in the heating oil and waste oil USTs area.

Contaminant concentrations are compared to the MTCA Method A Soil Cleanup Levels for Unrestricted Land Use, MTCA Table 740-1. These cleanup levels are the default cleanup levels established by MTCA for "simple" sites with a limited number of contaminants. Table 740-1 requires that a cleanup level of 30 mg/Kg be used for GRO where benzene is present or where the sum of BTEX compounds is 1% or more of the gasoline mixture. Benzene was

detected in one sample obtained from the site during the remediation, so the cleanup level of 30 mg/Kg was used for GRO. In instances where a compound was detected that does not have a MTCA Method A Soil Cleanup Level, the MTCA Method B Cleanup Level generated by Ecology's Clarc database was used.

5.0 FIELD ACTIVITIES

5.1 GENERAL

Clear Creek Contractors removed the heating oil and waste oil USTS, removed the hydraulic hoist and the sump/floor drain in the northern service bay, and excavated contaminated soil from the probable fuel USTs area, the northern service bay, and the heating oil/waste oil UST location, on December 10 through 16, 2008. Soil samples were obtained from stockpiles and the limits of the excavations, additional excavation was performed and additional samples obtained where necessary during this period. Upon completion of removing these facilities and excavating contaminated soil, the excavations were backfilled with non-contaminated on-site soil and/or imported non-contaminated structural fill, and the concrete and asphalt was patched. The locations of the excavations and excavation soil samples are shown in Figure 2. Our field procedures are included in Attachment A. Excavation activities, soil sampling, and laboratory testing results are discussed in the following sections. Sample field data and testing methods are summarized in Table 1. Laboratory testing results are summarized in Table 2. The laboratory reports are included in Attachment B.

5.2 FORMER FUEL USTS AREA

Contaminated soil was excavated from the probable former fuel USTs area on December 10, 2008. The contaminated soil extended from a depth of approximately 6 feet bgs (below ground surface) to depths ranging from 12 to 14 feet bgs. The excavation extended to these depths. Ground water was not present in the excavation. Approximately 100 cubic yards of non-contaminated soil was excavated from above the contaminated soil. Pinnacle GeoSciences assisted in segregating non-contaminated soil from contaminated soil, and evaluated when the lateral and vertical limits of the contaminated soil had been reached using field screening methods described in Attachment A. Excavation of contaminated soil continued until field screening indicated that the limits of the contaminated soil had been reached. Field screening indicated that the contaminant in the soil was volatile, probably gasoline. Approximately 200 tons of contaminated soil was excavated from the former fuel USTs, loaded into dump trucks, and hauled to Allied Waste's Seattle transfer facility for transportation to their Roosevelt Regional Landfill for disposal.

Ten discrete soil samples (EX-1-11.0 through EX-10-14.0) were obtained from the final limits of the excavation. The sample data is summarized in Table 1. Note that in all excavation sample names, the first numeral is the sample's sequential number and the second numeral is the depth in feet bgs from which the sample was obtained. The samples were obtained from locations where field screening or other observations indicated the contamination was most likely. All of the samples were tested for GRO and BTEX. Several of the samples were tested for DRO and

HO if the results of the GRO testing indicated that DRO or HO were present in the sample. Several selected samples were also tested for MTBE (methyl-tert butyl ether) and/or lead.

Laboratory testing results indicated that BTEX compounds and MTBE were not detected at concentrations exceeding the laboratory's lower reporting limit. GRO either was not detected at concentrations exceeding the laboratory lower reporting limit or was detected at concentrations less than the MTCA Method A Soil Cleanup Level of 30 mg/Kg. DRO and HO either were not detected at concentrations exceeding the laboratory lower reporting limits or were detected at concentrations less than the MTCA Method A Soil Cleanup Levels of 2,000 mg/Kg and 2,000 mg/Kg, respectively for these products. In the opinion of the laboratory, the DRO and HO detected in sample EX-7-10.0 consisted of a mixture of light oil and lube oil, while the GRO detected in that sample consisted of weathered gasoline. It is therefore not appropriate to sum the concentrations of the GRO, DRO and HO when comparing to the GRO cleanup level of 30 mg/Kg. Lead either was not detected at concentrations exceeding the laboratory lower reporting limit or was detected at a concentration less than the MTCA Method A Soil Cleanup Level in the samples tested.

A total of 100 cubic yards of apparently non-contaminated overburden soil was stockpiled on site for testing and subsequent reuse as on-site backfill if appropriate. Five discrete soil samples (CSP-1 through CSP-5) were obtained from the stockpile in accordance with Ecology's document titled ***Guidance for Remediation of Petroleum Contaminated Soils***. The samples were tested for BTEX and GRO. BTEX and GRO were not detected in the samples at concentrations exceeding the laboratory lower reporting limits.

5.3 SERVICE BAYS

Concrete was broken in the northern service bay, and the hydraulic hoist and floor drain/sump were removed on December 11, 2008. Contaminated soil was excavated from the northern service bay on December 11 through 16. The contaminated soil extended from the base of the floor drain/sump to a depth of 10 to 11 feet bgs. The excavation extended to a depth of 12 to 12.5 feet bgs. Ground water was not present in the excavation. No non-contaminated soil was segregated in the service bay excavation. Pinnacle GeoSciences evaluated when the lateral and vertical limits of the contaminated soil had been reached using field screening methods described in Attachment A. Excavation of contaminated soil continued until field screening indicated that the limits of the contaminated soil had been reached. Field screening indicated that the contaminant in the soil was volatile, probably mineral spirits based on information from the previous soil assessment.

Approximately 58 tons of contaminated soil was initially excavated from the northern service bay, loaded into dump trucks, and hauled to Allied Waste's Seattle transfer facility for transportation to their Roosevelt Regional Landfill for disposal.

Seven discrete soil samples (BEX-1-8.0 through BEX-7-8.0) were obtained from the limits of the excavation. The sample data is summarized in Table 1. The samples were obtained from locations where field screening or other observations indicated the contamination was most likely. All of the samples were tested for GRO, DRO and HO. Several of the samples were tested for

BTEX where significant concentrations of GRO were detected. One sample was also tested for metals (arsenic, cadmium, chromium, lead and mercury).

Laboratory testing results indicated that GRO was present in sample BEX-2-8.0, obtained from the west wall of the service bay excavation, at a concentration exceeding the MTCA Method A Soil Cleanup Level. Benzene was also detected in this sample at a concentration equal to the Cleanup Level. Approximately 5 tons of additional soil (for a total of 63 tons from the completed excavation) was excavated from the north wall of the excavation and a new sample (BEX-8-8.0) was obtained from the extended west wall of the excavation on December 16. The new sample BEX-8-8.0 replaces contaminated sample BEX-2-8.0 as representative of the extended west wall.

Sample P-1-12.5, obtained during the previous assessment activities, is also representative of the base of the excavation, and was tested for GRO, DRO, HO and CVOCs. None of the analytes tested for were detected at concentrations exceeding the laboratory lower reporting limit in this sample.

GRO either was not detected at concentrations exceeding the laboratory lower reporting limit or was detected at concentrations less than the MTCA Method A Soil Cleanup Level of 30 mg/Kg in samples obtained from the final limits of the excavation. DRO and HO and BTEX (where tested) were not detected at concentrations exceeding the laboratory lower reporting limits in the samples obtained from the final limits of the excavation. In the opinion of the laboratory, the product present in the samples was mineral spirits, which is consistent with the results of the previous soil assessment. Metals either were not detected at concentrations exceeding the laboratory lower reporting limit or were detected at a concentration less than the MTCA Method A Soil Cleanup Level in the sample tested.

A test pit (TP-1) was extended from the south side of the northern service bay excavation to the hydraulic hoist and floor drain/sump in the second service bay from the north. The test pit exposed the side of the sump and was within several feet of the hoist, as shown in Figure 2. Two samples (TP-1-4.0 and TP-1-8.0) were obtained from the test pit, immediately beneath the base of the sump and at a depth equivalent to the base of the hoist. The samples were tested for GRO, DRO, HO, and sample TP-1-4.0 was tested for CVOCs. DRO, HO and CVOCs were not detected at concentrations exceeding the laboratory lower reporting limits. GRO was detected at concentrations less than the MTCA Method A Soil Cleanup Levels in the samples.

5.4 HEATING OIL AND WASTE OIL USTS

One 500-gallon steel heating oil UST and one 500-gallon waste oil UST were removed from a single excavation on December 12, 2008. The heating oil UST appeared to be in good condition with little corrosion visible. The waste oil UST appeared to be in moderate condition with some corrosion. Neither UST had visible holes. Contaminated soil was excavated from the heating oil and waste oil UST excavation on December 12 and 16. The contaminated soil extended from near the surface to a depth of about 8 feet bgs. The excavation extended to a depth of 8 feet bgs. Ground water was not present in the excavation. No non-contaminated soil was segregated in the heating oil and waste oil UST excavation. Pinnacle GeoSciences evaluated

when the lateral and vertical limits of the contaminated soil had been reached using field screening methods described in Attachment A. Excavation of contaminated soil continued until field screening indicated that the limits of the contaminated soil had been reached. Field screening indicated that the contaminant in the soil was non-volatile, probably waste oil.

Approximately 30 tons of contaminated soil was excavated from the heating oil and waste oil UST excavation, loaded into dump trucks, and hauled to Allied Waste's Seattle transfer facility for transportation to their Roosevelt Regional Landfill for disposal.

Six discrete soil samples (WOEX-1-6.0 through WOEX-6-8.0) were obtained from the limits of the excavation. The sample data is summarized in Table 1. The samples were obtained from locations where field screening or other observations indicated the contamination was most likely. All of the samples were tested for DRO and HO. One of the samples was tested for CVOCs and carcinogenic PAHs. Another of the samples was tested for metals (arsenic, cadmium, chromium, lead and mercury) and PCBs. Since field screening did not indicate the presence of volatiles, and the chromatograms from the DRO and HO testing did not indicate that GRO was present, GRO and BTEX were not tested for.

DRO and HO either was not detected at concentrations exceeding the laboratory lower reporting limits or were detected at concentrations less than the MTCA Method A Soil Cleanup Levels in samples obtained from the final limits of the excavation. Carcinogenic PAHs and PCBs (where tested) were not detected at concentrations exceeding the laboratory lower reporting limits in the samples obtained from the final limits of the excavation. Metals either were not detected at concentrations exceeding the laboratory lower reporting limits or were detected at concentrations less than the MTCA Method A Soil Cleanup Levels in the sample tested. One chlorinated compound, 1,2-dichloroethane, was detected at a concentration of 0.022 mg/Kg. This compound does not have a MTCA Method A Soil Cleanup Level. The most conservative (lowest) soil cleanup level for 1,2-dichloroethane is the MTCA Method B Carcinogen Standard Formula Value of 11 mg/Kg. The detected concentration was less than this cleanup level. Other CVOCs were not detected at concentrations exceeding the laboratory lower reporting limit.

One discrete stockpile sample (WOSP-1) was obtained from the contaminated soil as it was excavated, and was tested for DRO and HO. DRO was not detected in the sample. HO was detected at a concentration of 9,300 mg/Kg, exceeding the MTCA Method A Soil Cleanup Level of 2,000 mg/Kg.

5.5 SOIL DISPOSAL

A total of 293 tons of contaminated soil was excavated from the fuel USTs excavation, service bay excavation, and heating oil and waste oil USTs excavation. The contaminated soil was loaded into trucks and transported to Allied Waste's transfer station, from which it was hauled to Allied Waste's Roosevelt Regional Landfill for permanent disposal. Roosevelt Regional Landfill is a permitted Subtitle D landfill. Landfill receipts documenting disposal of contaminated soil are included in Attachment C.

A total of about 100 cubic yards of non-contaminated overburden soil was excavated from the fuel USTs excavation, and stockpiled on site. Five discrete soil samples were obtained from

the non-contaminated stockpile as described in Section 5.2. GRO and BTEX, the contaminants of concern, were not detected at concentrations exceeding the laboratory lower reporting limit in the samples, and the non-contaminated soil was subsequently used as backfill in the fuel USTs excavation.

6.0 CONCLUSIONS

Our review of a Phase I ESA performed for the site, and additional historical sources indicate that a single generation of service station facilities has existed at the site. The service station facilities included several potential sources of contamination: fuel USTs, two service islands, a waste oil UST and heating oil UST, two hydraulic hoists and one or more lube bay sumps at the locations of the hydraulic hoists.

Our previous Phase II soil and ground water assessment indicated that soils at the site generally consist of glacial till (overconsolidated sandy silt), with several feet of less consolidated disturbed or weathered sandy silt overlying the overconsolidated soil. Ground water appears to be present in several thin, discontinuous zones at depths ranging from 12.5 to 22 feet bgs and deeper.

The results of the Phase II soil and ground water assessment indicated that soil contamination in excess of the MTCA Method A Soil Cleanup Levels was present in the probable former fuel UST location and in the northern service bay. Additional assessment was recommended in the second service bay from the north and we recommended that the heating oil and waste oil UST location be removed and further assessed at that time. The site assessment did not indicate the presence of soil contamination at the locations of the former service islands, drum storage areas, aboveground waste oil storage area, or the southern two service bays.

Ground water was encountered at several locations during the Phase II site assessment, but not in contact with contaminated soil. Ground water testing did not indicate the presence of ground water contamination. One ground water sample location was obtained near the center of the fuel USTs area, and the other from downgradient or near downgradient of the service bays and heating oil and waste oil USTs (assuming an northeasterly ground water flow direction mimicking the local surface topography).

Contaminated soil was excavated from the probable former fuel USTs location. The contaminated soil extended to a maximum depth of 12 to 14 feet bgs. Soil samples from the final limits of the excavation indicated that contaminants were not present at concentrations exceeding the MTCA Method A Soil Cleanup Levels, and that contaminated soil had been successfully removed. No ground water was present in the excavation.

The hydraulic hoist and floor drain/sump was removed from the northern service bay. Contaminated soil was excavated from this location. The contaminated soil extended to a maximum depth of 10 to 11 feet bgs. Soil samples from the final limits of the excavation indicated that contaminants were not present at concentrations exceeding the MTCA Method A Soil Cleanup Levels, and that contaminated soil had been successfully removed. No ground water was present in the excavation.

The 500 gallon heating oil UST and the 500-gallon waste oil UST were decommissioned and removed. Both of these USTs were unregistered. Contaminated soil was excavated from this location. The contaminated soil extended to a maximum depth of 8 feet bgs. Soil samples from the final limits of the excavation indicated that contaminants were not present at concentrations exceeding the MTCA Method A Soil Cleanup Levels, and that contaminated soil had been successfully removed. No ground water was present in the excavation.

All contaminated soil was disposed of offsite at a permitted Subtitle D landfill.

All excavations were backfilled with non-contaminated soil.

In our opinion, no additional soil assessment or remediation is necessary at the site.

Ground water was not observed in the excavations. Based on the results of the Phase II soil and ground water assessment, where ground water was encountered it was not in contact with contaminated soil. The native soil at the site is low-permeability glacial till. In our opinion, it is unlikely that contaminants have migrated to ground water. Ground water testing during the Phase II soil and ground water assessment also indicated that ground water has not been impacted. In our opinion, no additional ground water assessment or remediation is necessary at the site.

7.0 LIMITATIONS

Pinnacle GeoSciences, Inc. prepared this report for use by the Estate of Mary W. Benson. This report may be made available to regulatory agencies and to other parties authorized by the Estate of Mary W. Benson. The report is not intended for use by others and the information contained herein is not applicable to other sites.

Pinnacle GeoSciences has relied upon information provided by others in our description of historical conditions. The available data does not provide definitive information with regard to all past uses, operations or incidents at the site.

Our interpretations of site conditions are based on our field observations and on the testing results as described in the report and attached appendices. Our opinions are based on field screening and laboratory testing of discrete soil and ground water samples. It is always possible that soil or ground water contamination could remain in areas of the site which were not explored. Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices for environmental services of this type in Washington at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

8.0 CLOSING

Pinnacle GeoSciences, Inc. appreciates the opportunity to provide environmental consulting services to the Estate of (b) . Please call if you have questions concerning this project.

Sincerely,
Pinnacle GeoSciences, Inc.

Norman L. Puri, P.E.
Senior Engineer

Stephen C. Perrigo, L.G., L.H.G.
Principal

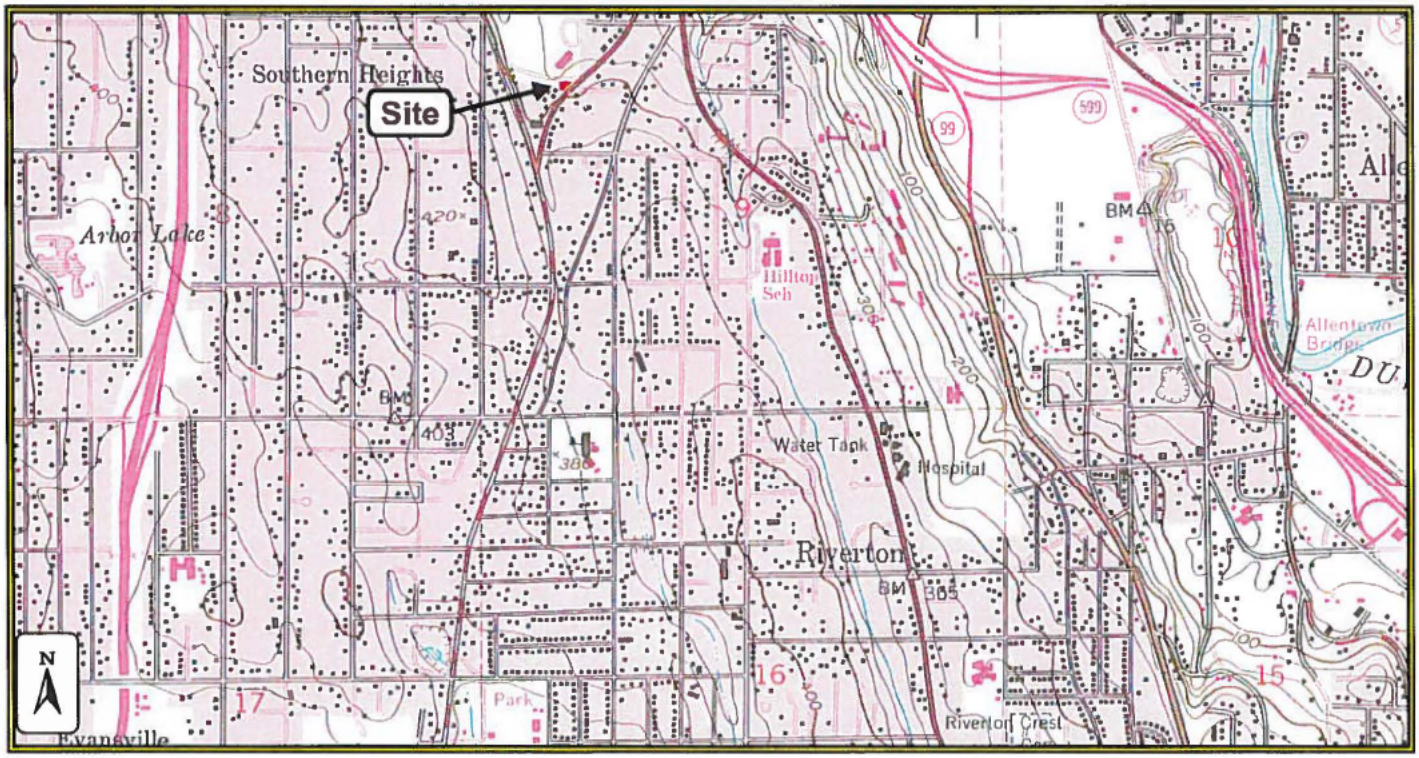
NORMAN L. PURI
STATE OF WASHINGTON
30314
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 2/4/2010

State of Washington
Hydrogeologist
219
Licensed Geologist
Stephen C. Perrigo

NLP:SCP

Four copies submitted

Source: Google Earth, 2002 Image. Perspective view with vertical exaggeration, no scale.



0 0.5 1.0 mile

Scale 1:24,000

Reference Map:
USGS 7.5 minute Quadrangle: Des Moines, WASH.
1949, Photorevised 1968 and 1973

Figure 1

Vicinity Map
(b) (6) Property
11803 Des Moines Memorial Drive South
Seattle, Washington
Pinnacle GeoSciences

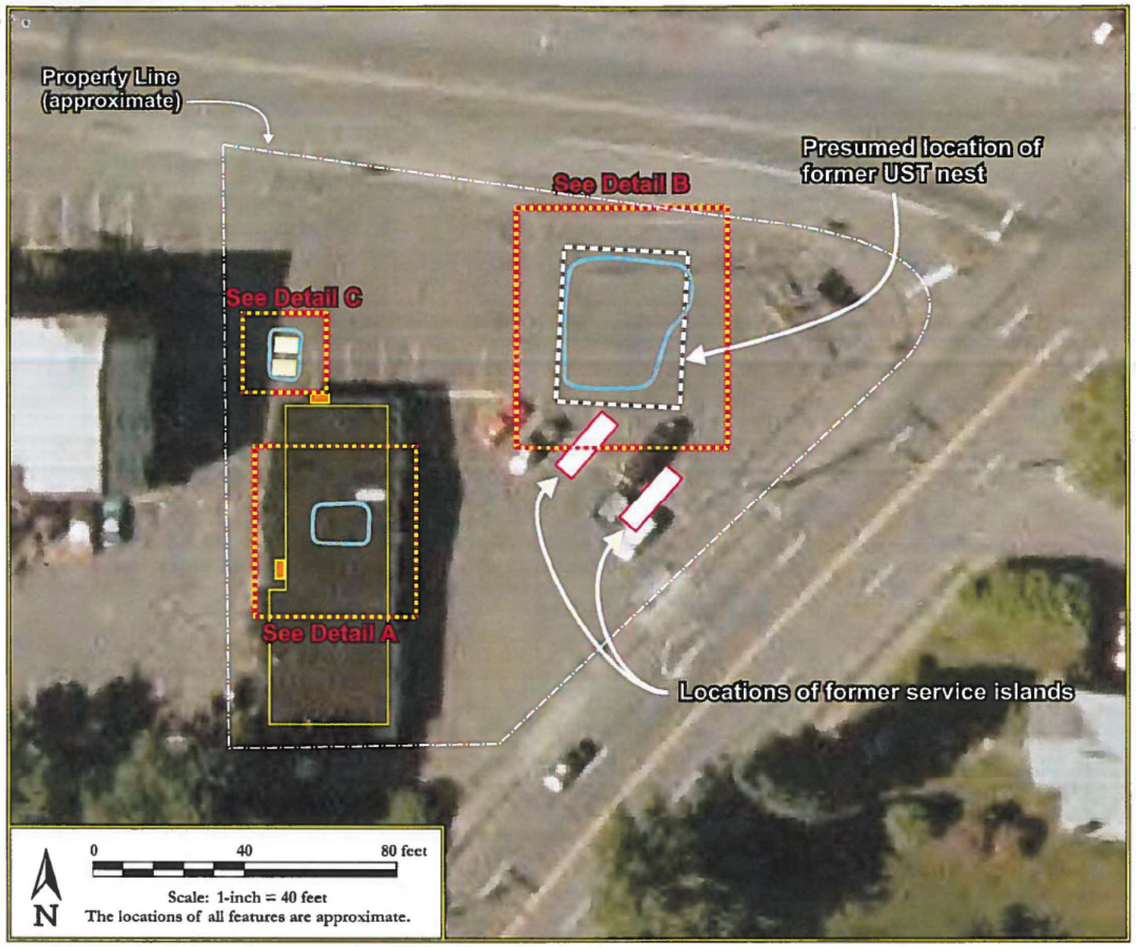
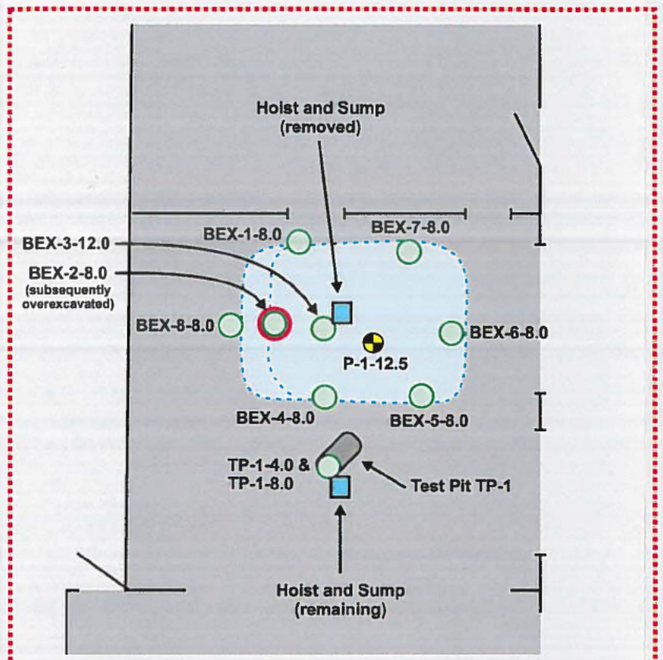
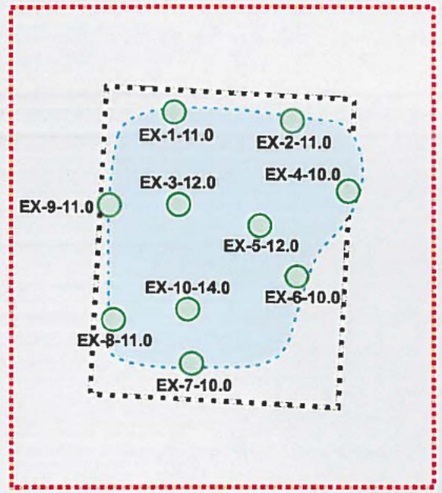


Image Source: Google Earth (2002)

Detail A
Service Bay Excavation and Test Pit



Detail B
Former Fuel USTs Excavation



Legend

- Presumed location for former UST nest
- Former Service Island Locations
- UST locations confirmed by Ground Penetrating Radar
- AST Locations
- Hoists and Sumps
- Limit of Excavation - (primary map)
- Limits of Excavation (inset maps)

Key to Sample Symbols

- WOEX-1-6.0 — Sample from prior study
- P-1-12.5 — Sample location and number
- Sample symbols are circled in red where MTCA Method A Cleanup Levels are exceeded (sample and surrounding soil was subsequently removed)

Detail C
Waste Oil and Heating Oil UST Excavation

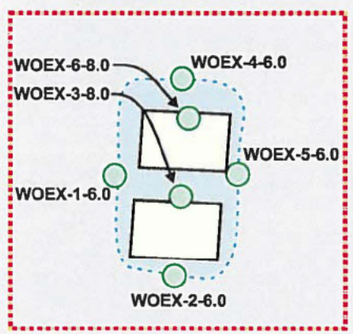


Figure 2
Excavation and Sample Locations
(b) (6) Property
11803 Des Moines Memorial Drive South
Seattle, Washington

Pinnacle GeoSciences

TABLE 1
SUMMARY OF SOIL SAMPLE DATA AND FIELD SCREENING RESULTS [1]
SITE REMEDIATION
11803 DES MOINES MEMORIAL DRIVE
SEATTLE, WASHINGTON

Sample Number [2]	Date	Sample Depth (feet)	Location	Contaminant of Concern	Field Screening [3]		Chemical Testing Performed [4]					
					Headspace	Sheen	BTEX	GRO	DRO	HO	Lead	CVOCs
Former fuel USTs area excavation												
EX-1-11.0	10-Dec-08	11.0	North wall	Gasoline	3.7	SS	X	X	X	X		
EX-2-11.0	10-Dec-08	11.0	North wall		1.9	SS	X	X				
EX-3-12.0 [5]	10-Dec-08	12.0	Northwest base		1.3	NS	X	X	X	X	X	
EX-4-10.0 [5]	10-Dec-08	10.0	East wall		2.6	NS	X	X	X	X	X	
EX-5-12.0	10-Dec-08	12.0	Northeast base		1.9	SS	X	X				
EX-6-10.0	10-Dec-08	10.0	East wall		1.8	SS	X	X				
EX-7-10.0	10-Dec-08	10.0	South wall		2.5	SS	X	X	X	X		
EX-8-11.0	10-Dec-08	11.0	West wall		1.5	NS	X	X				
EX-9-11.0	10-Dec-08	11.0	West wall		1.4	NS	X	X				
EX-10-14.0 [5]	10-Dec-08	14.0	South base		2.8	NS	X	X				
North service bay excavation												
BEX-1-8.0	11-Dec-08	8.0	North wall	Mineral spirits	4.2	SS	X	X	X	X		
BEX-2-8.0	11-Dec-08	8.0	West wall		5.7	SS	X	X	X	X		
BEX-3-12.0	11-Dec-08	12.0	Base		3.6	SS	X	X	X	X		
BEX-4-8.0	11-Dec-08	8.0	South wall		4.3	SS		X	X	X		
BEX-5-8.0	12-Dec-08	8.0	South wall		3.7	NS		X	X	X		
BEX-6-8.0	15-Dec-08	8.0	East wall		3.7	SS		X	X	X		
BEX-7-8.0 [6]	15-Dec-08	8.0	North wall		2.3	SS		X	X	X		
BEX-8-8.0	16-Dec-08	8.0	West wall, replaces BEX-2-8.0		--	NS	X	X	X	X		
South service bay test pit												
TP-1-4.0 [7]	11-Dec-08	4.0	Adjacent to southern hoist/sump	Mineral spirits	4.2	NS		X	X			X
TP-1-8.0	11-Dec-08	8.0			1.8	NS		X	X			
Heating oil and waste oil USTs excavation												
WOEX-1-6.0	12-Dec-08	6.0	West wall	Heating oil/waste oil	2.3	SS			X	X		
WOEX-2-6.0	12-Dec-08	6.0	South wall		2.6	SS			X	X		
WOEX-3-8.0 [8]	12-Dec-08	8.0	South base		3.1	SS			X	X		X
WOEX-4-6.0	16-Dec-08	6.0	North wall		--	NS			X	X		
WOEX-5-6.0	16-Dec-08	6.0	East wall		--	NS			X	X		
WOEX-6-8.0 [9]	16-Dec-08	8.0	North base		--	NS			X	X		
Non-contaminated stockpile												
CSP-1	10-Dec-08	--	Non-contaminated overburden from gasoline excavation	Gasoline	1.1	SS	X	X				
CSP-2	10-Dec-08	--			1.1	SS	X	X				
CSP-3	10-Dec-08	--			1.1	SS	X	X				
CSP-4	10-Dec-08	--			1.6	SS	X	X				
CSP-5	10-Dec-08	--			1.9	SS	X	X				
Heating oil and waste oil USTs stockpile												
WOSP-1	12-Dec-08	--	Contaminated soil from heating oil/waste oil excavation	Heating oil/waste oil	74.4	HS			X	X		

Notes:

[1] Samples analyzed by CCI Analytical Laboratories, Inc. of Everett, Washington.

[2] Soil sample locations are shown on Figure 2. The number following the second hyphen is the depth, in feet and tenths of feet, that the sample was obtained from.

[3] Field screening methods are described in Appendix A. NS = no sheen, SS = slight sheen, MS = moderate sheen, HS = heavy sheen.

[4] Chemical analytical results are summarized in Table 2. BTEX = benzene, toluene, ethylbenzene, and xylenes; GRO = gasoline-range organics; DRO = diesel-range organics; HO = heavy oils; lead = total lead. Compound and product names are taken from MTCA Table 740-1, Method A Soil Cleanup Levels for Unrestricted Land Uses. Laboratory testing methods are presented in Table 2.

[5] Samples were also tested for MTBE by EPA Method 8021.

[6] Sample was also tested for MTCA 5 metals by EPA Method 6010.

[7] Sample was also tested for CVOCs by EPA Method 8260.

[8] Sample was also tested for carcinogenic PAHs by EPA Method 8270 and CVOCs by EPA Method 8260.

[9] Sample was also tested for PCBs by EPA Method 8081 and MTCA 5 metals by EPA Method 6010..

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL DATA [1]
SITE ASSESSMENT
11803 DES MOINES MEMORIAL DRIVE
SEATTLE, WASHINGTON

Sample Number [2]	Benzene [3] (mg/Kg)	DQ	Toluene [3] (mg/Kg)	DQ	Ethylbenzene [3] (mg/Kg)	DQ	Xylenes [3] (mg/Kg)	DQ	GRO [4] (mg/Kg)	DQ	DRO [5] (mg/Kg)	DQ	HO [5] (mg/Kg)	DQ	MTBE [3] (mg/Kg)	DQ	Lead [6] (mg/Kg)	DQ
Former fuel USTs area excavation																		
EX-1-11.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	25	U	50	U	--		--	
EX-2-11.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U					--		--	
EX-3-12.0	0.03	U	0.05	U	0.05	U	0.2	U	5		25	U	50	U	0.1	U	5.0	U
EX-4-10.0	0.03	U	0.05	U	0.05	U	0.2	U	15		25	U	50	U	0.1	U	6.3	U
EX-5-12.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
EX-6-10.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
EX-7-10.0	0.03	U	0.05	U	0.05	U	0.2	U	11		140		290		--		--	
EX-8-11.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
EX-9-11.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
EX-10-14.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		0.1	U	--	
North service bay excavation																		
BEX-1-8.0	0.03	U	0.05	U	0.05	U	0.2	U	18		25	U	50	U	--		--	
BEX-2-8.0	0.03		0.05	U	0.1		0.2	U	**64**		25	U	81		--		--	
BEX-3-12.0	0.03	U	0.05	U	0.05	U	0.2	U	3	U	25	U	50	U	--		--	
BEX-4-8.0	--		--		--		--		3	U	25	U	50	U	--		--	
BEX-5-8.0	--		--		--		--		6		25	U	50	U	--		--	
BEX-6-8.0	--		--		--		--		10		25	U	50	U	--		--	
BEX-7-8.0 [7]	--		--		--		--		12		25	U	50	U	--		--	
BEX-8-8.0	0.03	U	0.05	U	0.05	U	0.2	U	4		25	U	50	U	--		--	
South service bay test pit																		
TP-1-4.0 [8]	--		--		--		--		3		25	U	50	U	--		--	
TP-1-8.0	--		--		--		--		4		25	U	50	U	--		--	
Heating oil and waste oil USTs excavation																		
WOEX-1-6.0	--		--		--		--		--		25	U	50	U	--		--	
WOEX-2-6.0	--		--		--		--		--		35		83		--		--	
WOEX-3-8.0 [8, 9]	--		--		--		--		--		25	U	50	U	--		--	
WOEX-4-6.0	--		--		--		--		--		25	U	78		--		--	
WOEX-5-6.0	--		--		--		--		--		25	U	97		--		--	
WOEX-6-8.0 [7, 10]	--		--		--		--		--		37		140		--		--	
Non-contaminated stockpile																		
CSP-1	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
CSP-2	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
CSP-3	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
CSP-4	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
CSP-5	0.03	U	0.05	U	0.05	U	0.2	U	3	U	--		--		--		--	
Heating oil and waste oil USTs stockpile																		
WOSP-1	--		--		--		--		--		25	U	**9,300**		--		--	
MTCA Method A Soil Cleanup Level	0.03		7.0		6.0		9.0		30 [11]		2,000		2,000				250	

Notes:

[1] Samples analyzed by CCI Analytical Laboratories, Inc. of Everett, Washington.

[2] Soil sample locations are shown on Figure 2. The number following the second hyphen is the depth, in feet and tenths of feet, that the sample was obtained from.

[3] By EPA Method 8021B.

[4] By Ecology Method NWTPH-G.

[5] By Ecology Method NWTPH-Dx.

[6] Total lead by EPA Method 6010.

[7] Samples BEX-7-8.0 and WOEX-6-8.0 were also tested for arsenic, cadmium, chromium, lead and mercury by EPA Method 6010 or 7471. Arsenic and cadmium were not detected in BEX-7-8.0. Chromium, lead and mercury were detected at concentrations of 34, 7.9 and 0.06 mg/Kg, resectively, less than the MTCA Method A cleanup levels in sample BEX-7-8.0. Cadmium was not detected in WOEX-6-8.0. Arsenic, chromium, lead and mercury were detected at concentrations of 14, 40, 140 and 0.11 mg/Kg, resectively, less than the MTCA Method A cleanup levels in sample WOEX-6-8.0.

[8] Samples TP-1-4.0 and WOEX-3-8.0 were also tested for chlorinated volatile organic compounds by EPA Method 8260. CVOCs were not detected in sample TP-1-4.0. 1,2-dichloroethane was detected in sample WOEX-3-8.0 at a concentration of 0.022 mg/Kg, less than the MTCA Method B (Clarc 2) cleanup level of 11 mg/Kg. No other CVOCs were detected in sample WOEX-3-8.0.

[9] Sample WOEX-3-8.0 was also tested for carcinogenic PAHs by EPA Method 8270. Carcinogenic PAHs were not detected in this sample.

[10] Sample WOEX-6-8.0 was also tested for PCBs by EPA Method 8081. PCBs were not detected in this sample.

[11] The MTCA Method A Soil Cleanup Level for GRO is 100 mg/Kg for mixtures without benzene and where the total of ethylbenzene, toluene and xylenes is less than 1% of the mixture, and 30 mg/Kg for all other mixtures.

mg/Kg = milligrams per kilogram

"--" = not tested

DQ = data qualifier

U = not detected at or above the specified concentration

J = estimated concentration outside instrument calibration range

Shaded and bolded concentrations exceed the current MTCA Method A soil cleanup levels.

ATTACHEMENT A – FIELD PROCEDURES

SOIL SAMPLING

Soil samples were obtained from the excavations using the excavator bucket. Each excavation sample was transferred from the excavator bucket to an unused plastic bag using a decontaminated stainless steel trowel. Each stockpile sample was obtained directly from the stockpile using a decontaminated stainless steel trowel and was transferred directly to an unused plastic bag.

Each sample not intended for laboratory testing was transferred to an unused plastic bag. Each sample intended for possible laboratory testing was immediately split, one portion of each sample was transferred to a laboratory-prepared sample jar which was filled completely to eliminate headspace, a second portion was sampled for volatiles using EPA Method 5025 methodology and equipment, and a third portion was transferred to an unused plastic bag. The sample jars were labeled with information including the job number, the sample number, the sampling date and the requested analyses. The portion of each sample which was placed in the plastic bag was retained for soil identification, and field screened for evidence of petroleum-related contamination.

DECONTAMINATION PROCEDURES

All sampling or measuring equipment coming in direct contact with the soil samples, specifically including the sampling trowel, were decontaminated before each sampling attempt or other contact. The decontamination procedure consisted of washing the equipment in a Liquinox solution, and rinsing the equipment with distilled water.

FIELD SCREENING PROCEDURES

A Pinnacle GeoSciences, Inc. representative field screened all soil samples. Field screening results were used as a general guideline to delineate areas of possible petroleum-related contamination. In addition, screening results were used to aid in the selection of soil samples for potential chemical analysis. The screening methods used included the following: visual screening, headspace vapor screening and water sheen screening.

Visual screening consists of inspecting the soil for stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavy petroleum hydrocarbons such as motor oil, or when hydrocarbons concentrations are high. Headspace and water sheen screening is a more sensitive method that has been effective in detecting contamination at concentrations less than regulatory cleanup guidelines. However, field screening results are site-specific. The effectiveness of field screening results will vary with ambient temperature; and soil moisture content, organic content, soil type, and type and age of contaminant. The presence or absence of a sheen does not necessarily indicate the presence or absence of petroleum hydrocarbons.

Head space vapor screening involves placing about one to two cups of soil into a plastic bag. Air is captured in the bag, and it is sealed. The bag is shaken to volatilize contaminants in

the soil. The probe of an instrument designed to measure photoionizable vapors, in this case a RAE Instruments Mini RAE Plus Classic photoionization detector, is then inserted into the bag and the vapor concentration is measured. Headspace vapor screening generally is only effective in detecting volatile hydrocarbons.

Water sheen screening involves placing about one tablespoon of soil in water and observing the water surface for signs of a petroleum sheen. Sheen screening may detect both volatile and non-volatile petroleum hydrocarbons, although it is more effective at detecting non-volatile contaminants. Sheens observed are classified as follows:

NS (no sheen)

No visible sheen on the water surface.

SS (slight sheen)

Light, colorless, dull sheen; spread is irregular, not rapid. Natural organic oils or iron bacteria in the soil may produce a slight sheen.

MS (moderate sheen)

Pronounced sheen over limited area; probably has some color/iridescence; spread is irregular, may be rapid; sheen does not spread over entire water surface.

HS (heavy sheen)

Heavy sheen with pronounced color/iridescence; spread is rapid; the entire water surface is covered with sheen.

ATTACHEMENT B – LABORATORY REPORTS

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 9:45 CSP-1
CCIL SAMPLE #: -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/10/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/10/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/10/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 9:50 CSP-2
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/10/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/10/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/10/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 9:55 CSP-3
CCIL SAMPLE #: -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/10/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/10/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/10/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/10/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 10:45 EX-1-11.0
CCIL SAMPLE #: -04

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 10:50 EX-2-11.0
CCIL SAMPLE #: -05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 11:25 EX-3-12.0
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	5	MG/KG	12/11/2008	DLC
Methyl T-Butyl Ether***	EPA-8021	ND(<0.1)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS
Lead	EPA-6010	ND(<5.0)	MG/KG	12/16/2008	BAM

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE. RESULT BIASED HIGH DUE TO SEMI-VOLATILE PRODUCT OVERLAP.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 12:30 CSP-4
CCIL SAMPLE #: -07

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 12:35 CSP-5
CCIL SAMPLE #: -08

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 12:55 EX-4-10.0
CCIL SAMPLE #: -09

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	15	MG/KG	12/11/2008	DLC
Methyl T-Butyl Ether***	EPA-8021	ND(<0.1)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS
Lead	EPA-6010	6.3	MG/KG	12/16/2008	BAM

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE. RESULT BIASED HIGH DUE TO SEMI-VOLATILE PRODUCT OVERLAP).

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 12:50 EX-5-12.0
CCIL SAMPLE #: -10

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 13:35 EX-6-10.0
CCIL SAMPLE #: -11

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 13:45 EX-7-10.0
CCIL SAMPLE #: -12

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	11	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC
TPH-Diesel Range	NWTPH-DX	140	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	290	MG/KG	12/11/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY HIGHLY WEATHERED GASOLINE, LIGHT OIL AND LUBE OIL.

RESULT BIASED HIGH DUE TO SEMI-VOLATILE PRODUCT OVERLAP.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 13:50 EX-8-11.0
CCIL SAMPLE #: -13

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 13:55 EX-9-11.0
CCIL SAMPLE #: -14

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/10/2008 14:00 EX-10-14.0
CCIL SAMPLE #: -15

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/11/2008	DLC
Methyl T-Butyl Ether***	EPA-8021	ND(<0.1)	MG/KG	12/11/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/11/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/11/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/11/2008	DLC
Lead	EPA-6010	ND(<5.0)	MG/KG	12/16/2008	BAM

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ANY POSITIVE MTBE RESULT SHOULD BE CONFIRMED BY GC/MS ANALYSIS.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0812058-01	NWTPH-GX	TFT	77
0812058-01	EPA-8021	TFT	77
0812058-02	NWTPH-GX	TFT	77
0812058-02	EPA-8021	TFT	78
0812058-03	NWTPH-GX	TFT	78
0812058-03	EPA-8021	TFT	78
0812058-04	NWTPH-GX	TFT	88
0812058-04	EPA-8021	TFT	78
0812058-04	NWTPH-DX	C25	116
0812058-05	NWTPH-GX	TFT	72
0812058-05	EPA-8021	TFT	74
0812058-06	NWTPH-GX	TFT	77
0812058-06	EPA-8021	TFT	77
0812058-06	NWTPH-DX	C25	107
0812058-07	NWTPH-GX	TFT	86
0812058-07	EPA-8021	TFT	80
0812058-08	NWTPH-GX	TFT	84
0812058-08	EPA-8021	TFT	79
0812058-09	NWTPH-GX	TFT	89
0812058-09	EPA-8021	TFT	82
0812058-09	NWTPH-DX	C25	90
0812058-10	NWTPH-GX	TFT	77
0812058-10	EPA-8021	TFT	78
0812058-11	NWTPH-GX	TFT	77
0812058-11	EPA-8021	TFT	81
0812058-12	NWTPH-GX	TFT	84
0812058-12	EPA-8021	TFT	83
0812058-12	NWTPH-DX	C25	110
0812058-13	NWTPH-GX	TFT	81
0812058-13	EPA-8021	TFT	72
0812058-14	NWTPH-GX	TFT	76
0812058-14	EPA-8021	TFT	72
0812058-15	NWTPH-GX	TFT	83
0812058-15	EPA-8021	TFT	79

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
NWTPH-GX	Soil	GS121008	0812058-01 to 15	TPH-Volatile Range	ND(<3)	MG/KG
EPA-8021	Soil	GS121008	0812058-06,09,15	Methyl T-Butyl Ether***	ND(<0.1)	MG/KG
EPA-8021	Soil	GS121008	0812058-01 to 15	Benzene	ND(<0.03)	MG/KG
EPA-8021	Soil	GS121008	0812058-01 to 15	Toluene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121008	0812058-01 to 15	Ethylbenzene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121008	0812058-01 to 15	Xylenes	ND(<0.2)	MG/KG
NWTPH-DX	Soil	DS121008	0812058-04,06,09,12	TPH-Diesel Range	ND(<25)	MG/KG
NWTPH-DX	Soil	DS121008	0812058-04,06,09,12	TPH-Oil Range	ND(<50)	MG/KG
EPA-6010	Soil	ICPS121608-2	0812058-06,09,15	Lead	ND(<5.0)	MG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/17/2008
CCIL JOB #: 0812058
DATE RECEIVED: 12/10/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

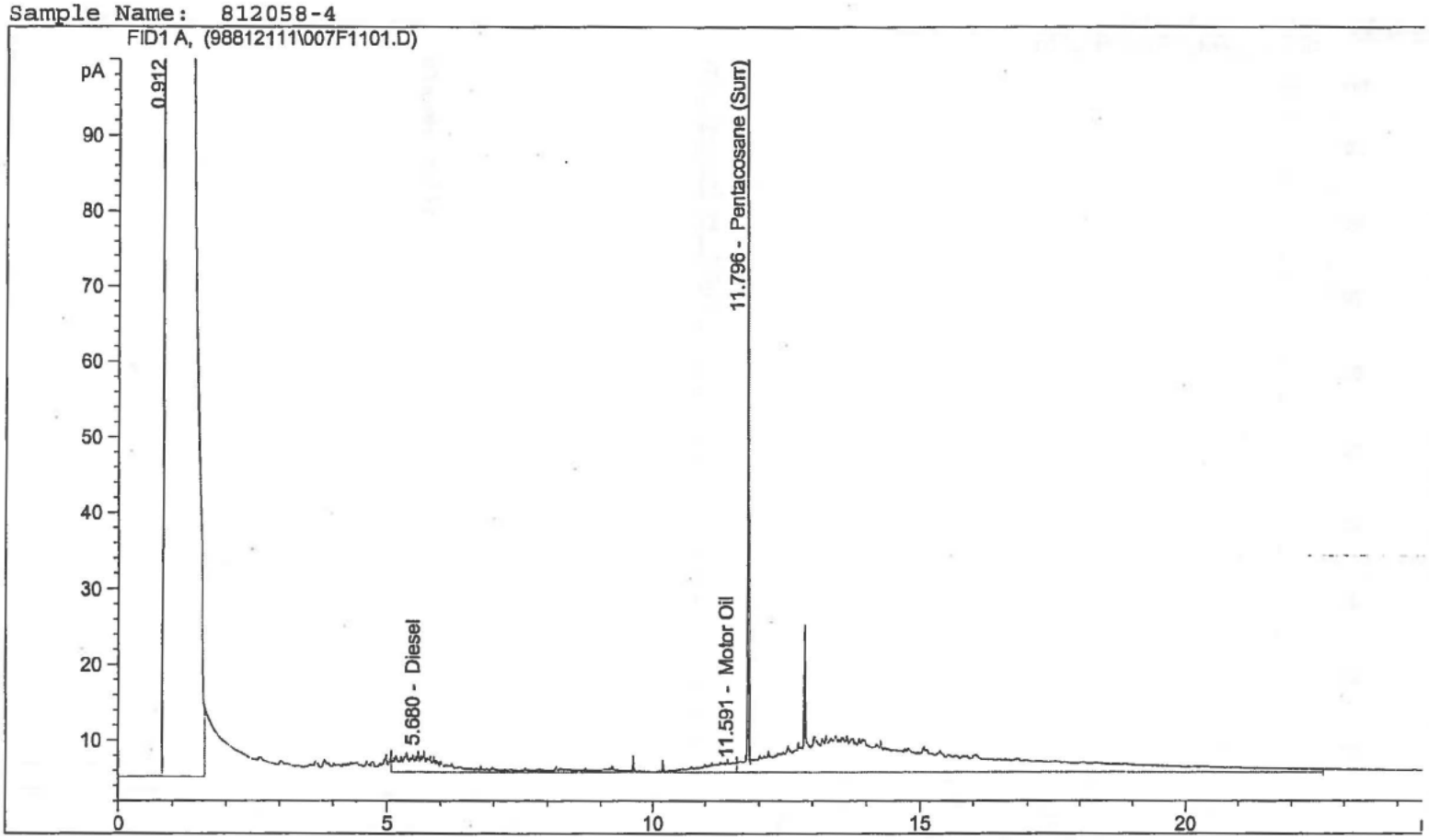
METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD
NWTPH-GX	Soil	GS121008	0812058-01 to 15	TPH-Volatile Range	76 %	81 %	6
EPA-8021	Soil	GS121008	0812058-06,09,15	Methyl T-Butyl Ether	99 %	102 %	3
EPA-8021	Soil	GS121008	0812058-01 to 15	Benzene	106 %	105 %	1
EPA-8021	Soil	GS121008	0812058-01 to 15	Toluene	112 %	111 %	1
EPA-8021	Soil	GS121008	0812058-01 to 15	Ethylbenzene	106 %	104 %	2
EPA-8021	Soil	GS121008	0812058-01 to 15	Xylenes	112 %	111 %	1
NWTPH-DX	Soil	DS121008	0812058-04,06,09,12	TPH-Diesel Range	89 %	94 %	5
EPA-6010	Soil	ICPS121608-2	0812058-06,09,15	Lead	99 %	101 %	2

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

Instrument #98 Data File: C:\HPCHEM\1\DATA\98812111\007F1101.D
Operator: EBS
Method: C:\HPCHEM\1\METHODS\FDM00108.M
Injection Date & Time: 12/11/2008 4:32:35 PM 12/11/2008 4:32:35 PM
Report Creation: 12/12/2008 8:41:49 AM

Sample Name: 812058-4



Ret. Time	Signal	Compound Name	Response	Amount ug/mL	
5.680	FID1 A,	Diesel	230.087	14.275	
11.591		Motor Oil	1155.611	86.879	
11.796		Pentacosane (Surr)	212.012	11.636	116 %

20.03g

D < 25 mg/kg

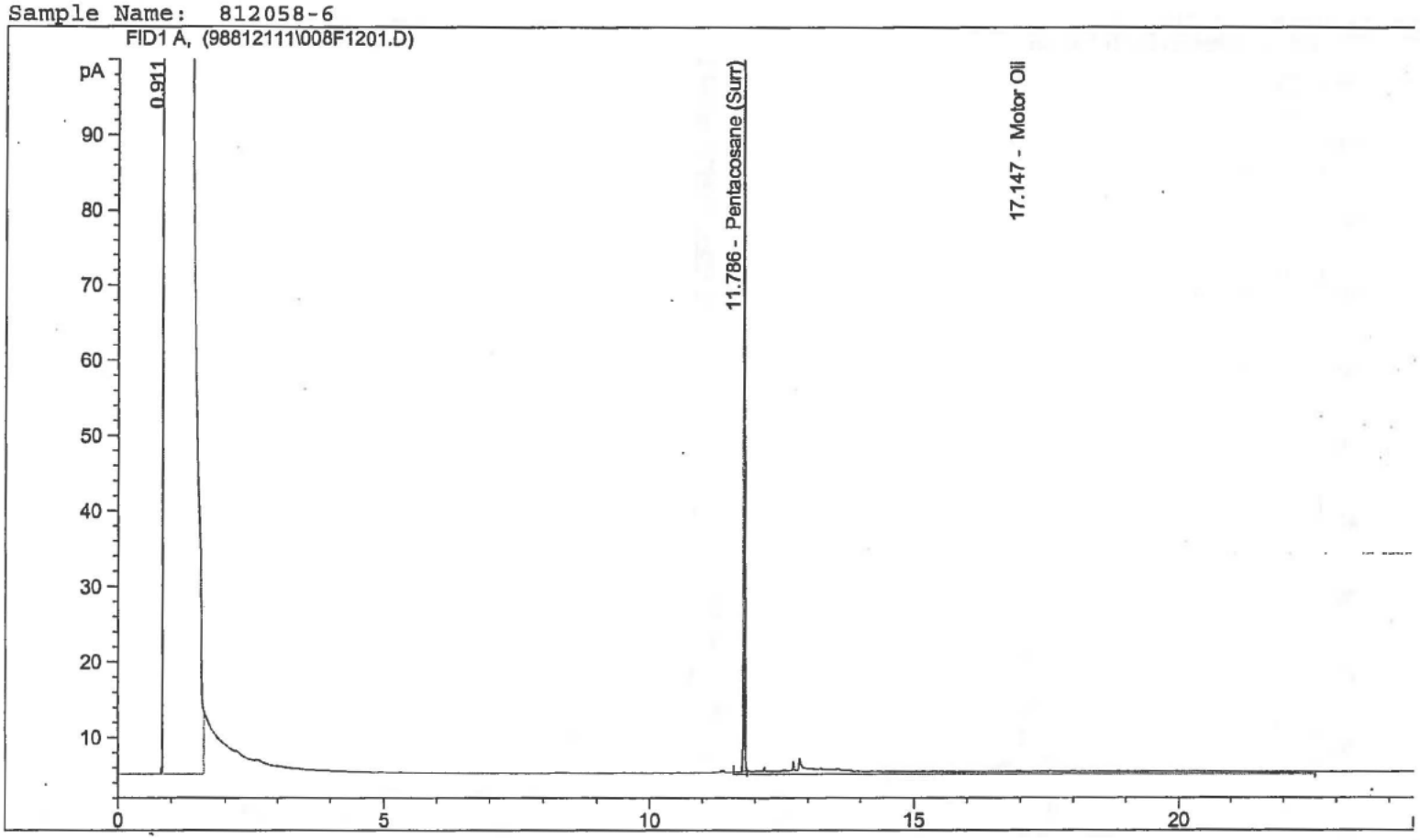
MO < 50 mg/kg

REVIEWED BY & DATE CW 12/12/08

12.12.08

Instrument #98 Data File: C:\HPCHEM\1\DATA\98812111\008F1201.D
Operator: EBS
Method: C:\HPCHEM\1\METHODS\FDMO0108.M
Injection Date & Time: 12/11/2008 5:02:53 PM 12/11/2008 5:02:53 PM
Report Creation: 12/12/2008 10:39:18 AM

Sample Name: 812058-6



Ret. Time	Signal	Compound Name	Response	Amount ug/mL
0.000	FID1 A,	Diesel	0.000	0.000
11.786		Pentacosane (Surr)	194.748	10.689
17.147		Motor Oil	263.866	19.838
				20.03g

107%

D < 25 mg/kg

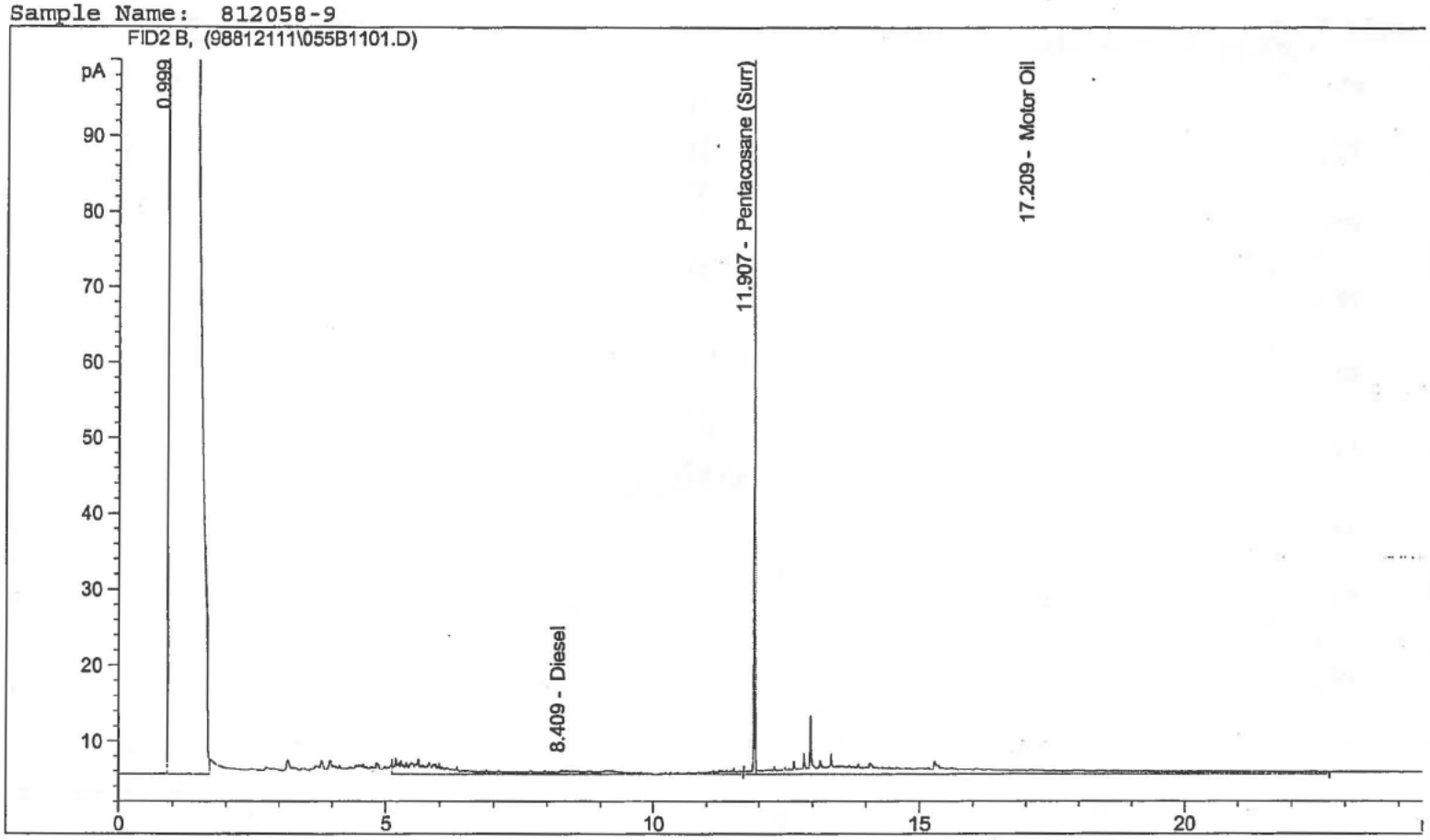
MO < 50 mg/kg

REVIEWED BY & DATE CW 12/12/08

12.12.08 ES

Instrument #98 Data File: C:\HPCHEM\1\DATA\98812111\055B1101.D
Operator: EBS
Method: C:\HPCHEM\1\METHODS\BDMO1107.M
Injection Date & Time: 12/11/2008 4:32:36 PM 12/11/2008 4:32:36 PM
Report Creation: 12/12/2008 10:34:30 AM

Sample Name: 812058-9



Ret. Time	Signal	Compound Name	Response	Amount ug/mL
8.409	FID2 B,	Diesel	159.419	10.906
11.907		Pentacosane (Surr)	160.582	9.001 90%
17.209		Motor Oil	365.918	29.489

20.07g

D < 25 mg/kg

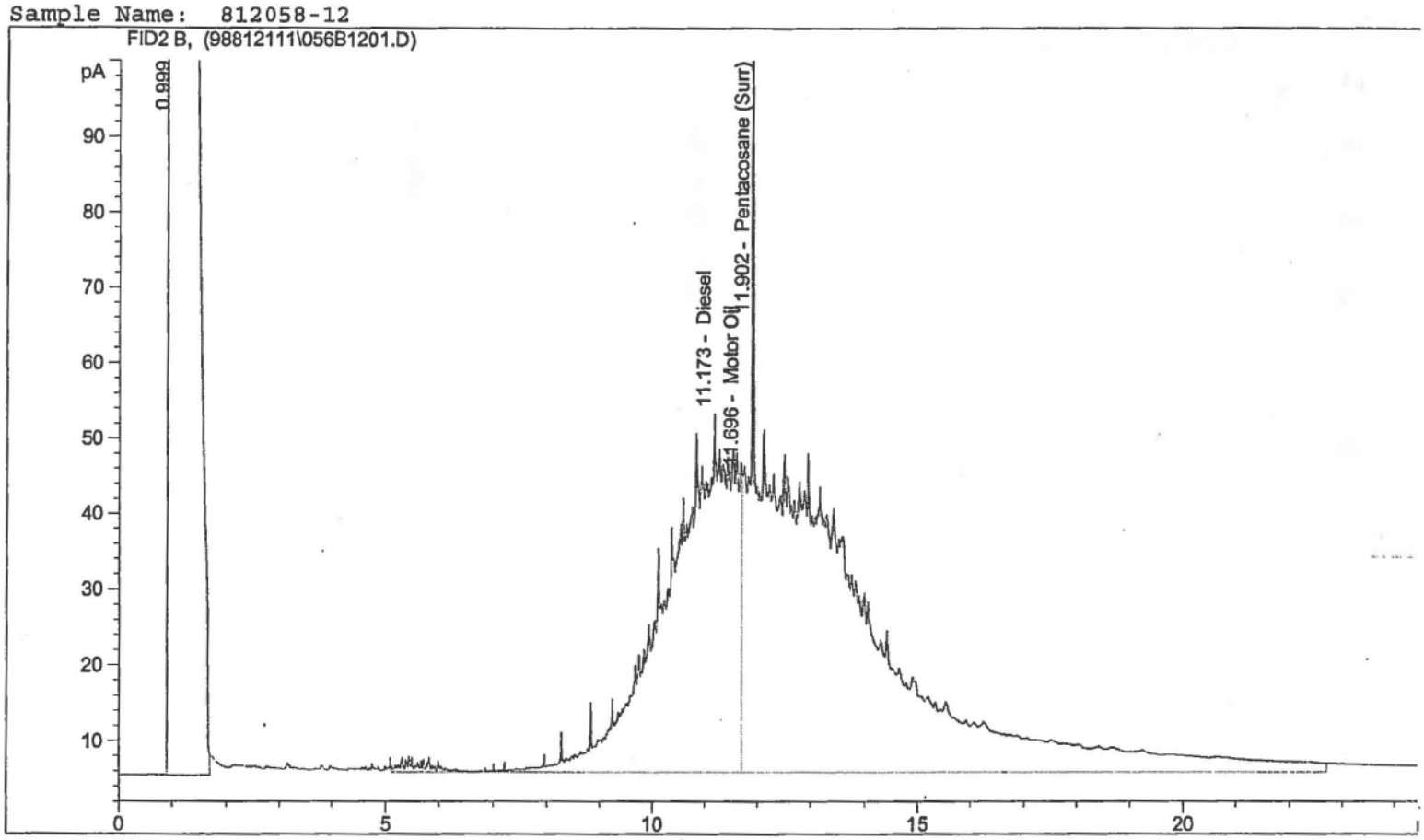
MO < 50 mg/kg

REVIEWED BY & DATE CW 12/12/08

12.12.08 ES

Instrument #98 Data File: C:\HPCHEM\1\DATA\98812111\056B1201.D
Operator: EBS
Method: C:\HPCHEM\1\METHODS\BDMO1107.M
Injection Date & Time: 12/11/2008 5:02:54 PM 12/11/2008 5:02:54 PM
Report Creation: 12/12/2008 8:44:14 AM

Sample Name: 812058-12



Ret. Time	Signal	Compound Name	Response	Amount ug/mL	
11.173	FID2 B,	Diesel	4213.303	288.232	
11.696		Motor Oil	7199.873	580.223	
11.902		Pentacosane (Surr)	196.691	11.024	110 %

20.03 g

$D = 288.232\ \mu g/mL \times \frac{10\ mL}{20.03\ g} = 140\ mg/kg$

$MO = 580.223\ \mu g/mL \times \frac{10\ mL}{20.03\ g} = 290\ mg/kg$ Light Oil and Lube Oil

REVIEWED BY & DATE CW 12/12/08

12.12.08 ES

CCI Analytical Laboratories
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only): 812058

Date 12/10/08 Page 1 Of 2

PROJECT ID: (b) (6) 0260-002
REPORT TO COMPANY: Pinnacle GeoSciences
PROJECT MANAGER: Norm Puri
ADDRESS:
Email results to Steve - (b) (6)
PHONE: FAX:
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Pinnacle GeoSciences
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)						NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. CSP-1	12/10/08	0945	S	1			X	X												EPA 5035 Sampling						2	
2. CSP-2		0950		2			X	X												X						2	
3. CSP-3		0955		3			X	X												X						2	
4. EX-1-11.0		1045		4		☆	X	X												X						2	
5. EX-2-11.0		1050		5			X	X												X						2	
6. EX-3-12.0		1125		6		☆	X	X	X									X		X						2	
7. CSP-4		1230		7			X	X												X						2	
8. CSP-5		1235		8			X	X												X						2	
9. EX-4-10.0		1255		9		☆	X	X	X									X		X						2	
10. EX-5-12.0		1250		10			X	X												X						2	

ANALYSIS REQUESTED / OTHER (Specify)

SPECIAL INSTRUCTIONS ☆ - Add 12/11, due 12/12 - CCN

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Pinnacle GeoSciences 12/10/08 1415
   Received By: CCIAL 12/10/08 14:15
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | X | SAME DAY

OTHER: Specify:

* Turnaround request less than standard may incur Rush Charges

CCI Analytical Laboratories
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only) 812058

Date 12/10/08 Page 2 Of 2

PROJECT ID: (b) (6) 0260-002

REPORT TO COMPANY: Pinnacle GeoSciences

PROJECT MANAGER: Norm Puri

ADDRESS: Email result to Steve

PHONE: FAX:

P.O. NUMBER: E-MAIL:

INVOICE TO COMPANY: Pinnacle GeoSciences

ATTENTION:

ADDRESS:

ANALYSIS REQUESTED / OTHER (Specify)

#	SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify) Total Pb	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐		EPA 5035 Sampling						NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1.	EX-6-10.0	12/10/08	~~1335~~ 1335	S	11			X	X													X						2	
2.	EX-7-10.0	↓	1345	↓	12		☆	X	X													X						2	
3.	EX-8-11.0	↓	1350	↓	13			X	X													X						2	
4.	EX-9-11.0	↓	1355	↓	14			X	X													X						2	
5.	EX-10-14.0	↓	1400	↓	15.			X	X	X									X			X						2	
6.																													
7.																													
8.																													
9.																													
10.																													

SPECIAL INSTRUCTIONS ☆ - Added 12/11, due 12/12 - CCN

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [signature] Pinnacle GeoSciences 12/10/08 1415

Received By: [signature] CCIAL 12/10/08 1415

2. Relinquished By:

Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: ☒ 10 Standard ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis: ☐ 5 Standard ☐ 3 ☒ 2 ☐ SAME DAY

OTHER:

Specify:

* Turnaround request less than standard may incur Rush Charges

REPORT COPY

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 12:40 BEX-1-8.0
CCIL SAMPLE #: -01

DATA RESULTS

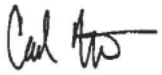
ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	18	MG/KG	12/12/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/15/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/15/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/15/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/15/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:



8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 13:10 BEX-2-8.0
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	64	MG/KG	12/12/2008	DLC
Benzene	EPA-8021	0.03	MG/KG	12/15/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/15/2008	DLC
Ethylbenzene	EPA-8021	0.1	MG/KG	12/15/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/15/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	81	MG/KG	12/11/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY STODDARD SOLVENT AND LUBE OIL.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 13:40 BEX-3-12.0
CCIL SAMPLE #: -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/12/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/12/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/12/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/12/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/12/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 13:50 BEX-4-8.0
CCIL SAMPLE #: -04

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND(<3)	MG/KG	12/12/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 14:25 TP-1-4.0
CCIL SAMPLE #: -05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	3	MG/KG	12/12/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS
Dichlorodifluoromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Chloromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Vinyl Chloride	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Bromomethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Chloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Trichlorofluoromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Methylene Chloride	EPA-8260	ND(<20)	UG/KG	12/11/2008	GAP
Trans-1,2-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1-Dichloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Cis-1,2-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
2,2-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Bromochloromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Chloroform	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1,1-Trichloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Carbon Tetrachloride	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2-Dichloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Trichloroethene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Dibromomethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Bromodichloromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Trans-1,3-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Cis-1,3-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1,2-Trichloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,3-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Tetrachloroethylene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Dibromochloromethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2-Dibromoethane	EPA-8260	ND(<5)	UG/KG	12/11/2008	GAP
Chlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 14:25 TP-1-4.0
CCIL SAMPLE #: -05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Bromoform	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2,3-Trichloropropane	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Bromobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
2-Chlorotoluene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
4-Chlorotoluene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,3 Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,4-Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2-Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	ND(<50)	UG/KG	12/11/2008	GAP
1,2,4-Trichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
Hexachlorobutadiene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP
1,2,3-Trichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/11/2008	GAP

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/11/2008 14:30 TP-1-8.0
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	4	MG/KG	12/12/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/11/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/11/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0812065-01	NWTPH-GX	TFT	107
0812065-01	EPA-8021	TFT	71
0812065-01	NWTPH-DX	C25	86
0812065-02	NWTPH-GX	TFT	*
0812065-02	EPA-8021	TFT	80
0812065-02	NWTPH-DX	C25	102
0812065-03	NWTPH-GX	TFT	105
0812065-03	EPA-8021	TFT	95
0812065-03	NWTPH-DX	C25	100
0812065-04	NWTPH-GX	TFT	111
0812065-04	NWTPH-DX	C25	83
0812065-05	NWTPH-GX	TFT	111
0812065-05	NWTPH-DX	C25	78
0812065-05	EPA-8260	1,2-Dichloroethane-d4	119
0812065-05	EPA-8260	4-Bromofluorobenzene	104
0812065-06	NWTPH-GX	TFT	110
0812065-06	NWTPH-DX	C25	95

* SURROGATE DILUTED OUT OF CALIBRATION RANGE.

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
NWTPH-GX	Soil	GS121108	0812065-01 to 06	TPH-Volatile Range	ND(<3)	MG/KG
EPA-8021	Soil	GS121108	0812065-01 to 03	Benzene	ND(<0.03)	MG/KG
EPA-8021	Soil	GS121108	0812065-01 to 03	Toluene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121108	0812065-01 to 03	Ethylbenzene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121108	0812065-01 to 03	Xylenes	ND(<0.2)	MG/KG
NWTPH-DX	Soil	DS121008	0812065-01 to 06	TPH-Diesel Range	ND(<25)	MG/KG
NWTPH-DX	Soil	DS121008	0812065-01 to 06	TPH-Oil Range	ND(<50)	MG/KG
EPA-8260	Soil	VS121108	0812065-05	Dichlorodifluoromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Chloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Vinyl Chloride	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Bromomethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Chloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Trichlorofluoromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Methylene Chloride	ND(<20)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Trans-1,2-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1-Dichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Cis-1,2-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	2,2-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Bromochloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Chloroform	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1,1-Trichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Carbon Tetrachloride	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2-Dichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Trichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Dibromomethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Bromodichloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Trans-1,3-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Cis-1,3-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1,2-Trichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,3-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Tetrachloroethylene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Dibromochloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2-Dibromoethane	ND(<5)	UG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8260	Soil	VS121108	0812065-05	Chlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1,1,2-Tetrachloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Bromoform	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,1,2,2-Tetrachloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2,3-Trichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Bromobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	2-Chlorotoluene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	4-Chlorotoluene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,3 Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,4-Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2-Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2-Dibromo 3-Chloropropane	ND(<50)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2,4-Trichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	Hexachlorobutadiene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812065-05	1,2,3-Trichlorobenzene	ND(<10)	UG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/15/2008
CCIL JOB #: 0812065
DATE RECEIVED: 12/11/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD
NWTPH-GX	Soil	GS121108	0812065-01 to 06	TPH-Volatile Range	76 %	78 %	3
EPA-8021	Soil	GS121108	0812065-01 to 03	Benzene	107 %	107 %	0
EPA-8021	Soil	GS121108	0812065-01 to 03	Toluene	113 %	113 %	0
EPA-8021	Soil	GS121108	0812065-01 to 03	Ethylbenzene	105 %	105 %	0
EPA-8021	Soil	GS121108	0812065-01 to 03	Xylenes	112 %	113 %	1
NWTPH-DX	Soil	DS121008	0812065-01 to 06	TPH-Diesel Range	89 %	94 %	5
EPA-8260	Soil	VS121108	0812065-05	1,1-Dichloroethene	101 %	105 %	3
EPA-8260	Soil	VS121108	0812065-05	Trichloroethene	106 %	106 %	0
EPA-8260	Soil	VS121108	0812065-05	Chlorobenzene	91 %	93 %	2

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI Analytical Laboratories
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only) 812065

Date 12/11/08 Page 1 Of 1

PROJECT ID: (b) (6) 0260-002
REPORT TO COMPANY: Pinnacle Geosciences
PROJECT MANAGER: Norm Peri
ADDRESS: Email results to Steve Perrigo
(b) (6)
PHONE: FAX:
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. BEX-1-8.0	12/11/08	1240	S	1		X	X													EPA 5035 Samples X	2	
2. BEX-2-8.0		1310		2		X	X													X	2	
3. BEX-3-12.0		1340		3		X	X	X												X	2	
4. BEX-4-8.0		1350		4		X	X													X	2	
5. TP-1-4.0		1425		5		X	X			X										X	4	
6. TP-1-8.0		1430	↓	6		X	X													X	2	
7.																						
8.																						
9.																						
10.																						

RECEIPT ONLY

SPECIAL INSTRUCTIONS

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Pinnacle Geosciences 12/11/08 1450
Received By: CCTAL 12/11/08 14:50
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | X | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | X | SAME DAY

OTHER:
Specify: 1-4, 6 Samples received per 5035 high kits
Sample 5 - low kit

* Turnaround request less than standard may incur Rush Charges

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:00 BEX-5-8.0
CCIL SAMPLE #: -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	6	MG/KG	12/12/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/12/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/12/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:15 TANK WATER
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Chloromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Vinyl Chloride	EPA-8260	ND(<0.2)	UG/L	12/18/2008	GAP
Bromomethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Chloroethane	EPA-8260	2	UG/L	12/18/2008	GAP
Trichlorofluoromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Acetone	EPA-8260	81	UG/L	12/18/2008	GAP
1,1-Dichloroethene	EPA-8260	2	UG/L	12/18/2008	GAP
Methylene Chloride	EPA-8260	520	UG/L	12/18/2008	GAP
Acrylonitrile	EPA-8260	ND(<10)	UG/L	12/18/2008	GAP
Methyl T-Butyl Ether	EPA-8260	10	UG/L	12/18/2008	GAP
Trans-1,2-Dichloroethene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,1-Dichloroethane	EPA-8260	56	UG/L	12/18/2008	GAP
2-Butanone	EPA-8260	10	UG/L	12/18/2008	GAP
Cis-1,2-Dichloroethene	EPA-8260	3	UG/L	12/18/2008	GAP
2,2-Dichloropropane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Bromochloromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Chloroform	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,1,1-Trichloroethane	EPA-8260	140	UG/L	12/18/2008	GAP
1,1-Dichloropropene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Carbon Tetrachloride	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2-Dichloroethane	EPA-8260	890	UG/L	12/18/2008	GAP
Benzene	EPA-8260	420	UG/L	12/18/2008	GAP
Trichloroethene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2-Dichloropropane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Dibromomethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Bromodichloromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Trans-1,3-Dichloropropene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
4-Methyl-2-Pentanone	EPA-8260	55	UG/L	12/18/2008	GAP
Toluene	EPA-8260	830	UG/L	12/18/2008	GAP
Cis-1,3-Dichloropropene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,1,2-Trichloroethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
2-Hexanone	EPA-8260	ND(<10)	UG/L	12/18/2008	GAP
1,3-Dichloropropane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Tetrachloroethylene	EPA-8260	22	UG/L	12/18/2008	GAP

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:15 TANK WATER
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Dibromochloromethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2-Dibromoethane	EPA-8260	3	UG/L	12/18/2008	GAP
Chlorobenzene	EPA-8260	15	UG/L	12/18/2008	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Ethylbenzene	EPA-8260	110	UG/L	12/18/2008	GAP
m,p-Xylene	EPA-8260	510	UG/L	12/18/2008	GAP
Styrene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
o-Xylene	EPA-8260	280	UG/L	12/18/2008	GAP
Bromoform	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Isopropylbenzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2,3-Trichloropropane	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Bromobenzene	EPA-8260	8	UG/L	12/18/2008	GAP
N-Propyl Benzene	EPA-8260	20	UG/L	12/18/2008	GAP
2-Chlorotoluene	EPA-8260	19	UG/L	12/18/2008	GAP
1,3,5-Trimethylbenzene	EPA-8260	55	UG/L	12/18/2008	GAP
4-Chlorotoluene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
T-Butyl Benzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2,4-Trimethylbenzene	EPA-8260	230	UG/L	12/18/2008	GAP
S-Butyl Benzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
P-Isopropyltoluene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,3 Dichlorobenzene	EPA-8260	16	UG/L	12/18/2008	GAP
1,4-Dichlorobenzene	EPA-8260	150	UG/L	12/18/2008	GAP
N-Butylbenzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
1,2-Dichlorobenzene	EPA-8260	380	UG/L	12/18/2008	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	ND(<10)	UG/L	12/18/2008	GAP
1,2,4-Trichlorobenzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Hexachlorobutadiene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Naphthalene	EPA-8260	380	UG/L	12/18/2008	GAP
1,2,3-Trichlorobenzene	EPA-8260	ND(<2)	UG/L	12/18/2008	GAP
Pyridine	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
N-Nitrosodimethylamine	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Phenol	EPA-8270	530	UG/L	12/16/2008	RAL
Aniline	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:15 TANK WATER
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Bis(2-Chloroethyl)Ether	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2-Chlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
1,3-Dichlorobenzene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
1,4-Dichlorobenzene	EPA-8270	150	UG/L	12/16/2008	RAL
Benzyl Alcohol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
1,2-Dichlorobenzene	EPA-8270	300	UG/L	12/16/2008	RAL
2-Methylphenol	EPA-8270	860	UG/L	12/16/2008	RAL
Bis(2-Chloroisopropyl)Ether	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
3&4-Methylphenol	EPA-8270	630	UG/L	12/16/2008	RAL
N-Nitroso-Di-N-Propylamine	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Hexachloroethane	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Nitrobenzene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Isophorone	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2-Nitrophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,4-Dimethylphenol	EPA-8270	200	UG/L	12/16/2008	RAL
Benzoic Acid	EPA-8270	ND(<130)	UG/L	12/16/2008	RAL
Bis(2-Chloroethoxy)Methane	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,4-Dichlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
1,2,4-Trichlorobenzene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Naphthalene	EPA-8270	170	UG/L	12/16/2008	RAL
4-Chloroaniline	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,6-Dichlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Hexachlorobutadiene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
4-Chloro-3-Methylphenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2-Methylnaphthalene	EPA-8270	190	UG/L	12/16/2008	RAL
1-Methylnaphthalene	EPA-8270	97	UG/L	12/16/2008	RAL
Hexachlorocyclopentadiene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,4,6-Trichlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,4,5-Trichlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2-Chloronaphthalene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2-Nitroaniline	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Acenaphthylene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Dimethylphthalate	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,6-Dinitrotoluene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Acenaphthene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:15 TANK WATER
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
3-Nitroaniline	EPA-8270	ND(<63)	UG/L	12/16/2008	RAL
2,4-Dinitrophenol	EPA-8270	ND(<130)	UG/L	12/16/2008	RAL
4-Nitrophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Dibenzofuran	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,4-Dinitrotoluene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
2,3,4,6-Tetrachlorophenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Diethylphthalate	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Fluorene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
4-Chlorophenyl-Phenylether	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
4-Nitroaniline	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
4,6-Dinitro-2-Methylphenol	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
N-Nitrosodiphenylamine	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Azobenzene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
4-Bromophenyl-Phenylether	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Hexachlorobenzene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Pentachlorophenol	EPA-8270	ND(<63)	UG/L	12/16/2008	RAL
Phenanthrene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Anthracene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Carbazole	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Di-N-Butylphthalate	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Fluoranthene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Pyrene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Butylbenzylphthalate	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
3,3'-Dichlorobenzidine	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Benzo[A]Anthracene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Chrysene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Bis(2-Ethylhexyl)Phthalate	EPA-8270	36	UG/L	12/16/2008	RAL
Di-N-Octylphthalate	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Benzo[B]Fluoranthene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Benzo[K]Fluoranthene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Benzo[A]Pyrene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Indeno[1,2,3-Cd]Pyrene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Dibenz[A,H]Anthracene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL
Benzo[G,H,I]Perylene	EPA-8270	ND(<25)	UG/L	12/16/2008	RAL

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 10:15 TANK WATER
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1221	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1232	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1242	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1248	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1254	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
PCB-1260	EPA-8082	ND(<5.0)	UG/L	12/17/2008	RAL
Arsenic	EPA-6010	ND(<40)	UG/L	12/19/2008	BAM
Barium	EPA-6010	1000	UG/L	12/19/2008	BAM
Cadmium	EPA-6010	ND(<5)	UG/L	12/19/2008	BAM
Chromium	EPA-6010	ND(<7)	UG/L	12/19/2008	BAM
Lead	EPA-6010	28000	UG/L	12/19/2008	BAM
Mercury	EPA-7470	ND(<0.2)	UG/L	12/23/2008	BAM
Selenium	EPA-6010	ND(<40)	UG/L	12/19/2008	BAM
Silver	EPA-6010	ND(<30)	UG/L	12/19/2008	BAM

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) N 0260-002
CLIENT SAMPLE ID: 12/12/2008 12:25 WOSP-1
CCIL SAMPLE #: -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/12/2008	EBS
TPH-Oil Range	NWTPH-DX	9300	MG/KG	12/12/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 13:00 WOEX-1-6.0
CCIL SAMPLE #: -04

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/12/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/12/2008	EBS

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 13:10 WOEX-2-6.0
CCIL SAMPLE #: -05

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	35	MG/KG	12/12/2008	EBS
TPH-Oil Range	NWTPH-DX	83	MG/KG	12/12/2008	EBS

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY WEATHERED DIESEL FUEL AND LUBE OIL.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 13:20 WOEX-3-8.0
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/12/2008	EBS
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/12/2008	EBS
Dichlorodifluoromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Chloromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Vinyl Chloride	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Bromomethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Chloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Trichlorofluoromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Methylene Chloride	EPA-8260	ND(<20)	UG/KG	12/12/2008	GAP
Trans-1,2-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1-Dichloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Cis-1,2-Dichloroethene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
2,2-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Bromochloromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Chloroform	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1,1-Trichloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Carbon Tetrachloride	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2-Dichloroethane	EPA-8260	22	UG/KG	12/12/2008	GAP
Trichloroethene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Dibromomethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Bromodichloromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Trans-1,3-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Cis-1,3-Dichloropropene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1,2-Trichloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,3-Dichloropropane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Tetrachloroethylene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Dibromochloromethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2-Dibromoethane	EPA-8260	ND(<5)	UG/KG	12/12/2008	GAP
Chlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Bromoform	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 13:20 WOEX-3-8.0
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
1,1,2,2-Tetrachloroethane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2,3-Trichloropropane	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Bromobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
2-Chlorotoluene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
4-Chlorotoluene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,3 Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,4-Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2-Dichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	ND(<50)	UG/KG	12/12/2008	GAP
1,2,4-Trichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Hexachlorobutadiene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
1,2,3-Trichlorobenzene	EPA-8260	ND(<10)	UG/KG	12/12/2008	GAP
Naphthalene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
1-Methylnaphthalene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
2-Methylnaphthalene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Acenaphthylene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Acenaphthene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Fluorene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Phenanthrene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Anthracene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Fluoranthene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Pyrene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Benzo[A]Anthracene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Chrysene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Benzo[B]Fluoranthene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Benzo[K]Fluoranthene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Benzo(A)Pyrene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL
Benzo[G,H,I]Perylene	EPA-8270 SIM	ND(<0.02)	MG/KG	12/12/2008	RAL

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/12/2008 13:20 WOEX-3-8.0
CCIL SAMPLE #: -06

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) N 0260-002

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID		METHOD	SUR ID	% RECV
0812073-01		NWTPH-GX	TFT	118
0812073-01		NWTPH-DX	C25	87
0812073-02		EPA-8260	1,2-Dichloroethane-d4	103
0812073-02		EPA-8260	Toluene-d8	97
0812073-02		EPA-8260	4-Bromofluorobenzene	88
0812073-02		EPA-8270	2-Fluorophenol	38
0812073-02		EPA-8270	Phenol-d6	35
0812073-02		EPA-8270	Nitrobenzene-d5	78
0812073-02		EPA-8270	2-Fluorobiphenyl	65
0812073-02		EPA-8270	2,4,6-Tribromophenol	106
0812073-02		EPA-8270	Terphenyl-d14	75
0812073-02		EPA-8082	TCMX	99
0812073-02		EPA-8082	DBC	69
0812073-02	10X DILUTION	EPA-8260	1,2-Dichloroethane-d4	103
0812073-02	10X DILUTION	EPA-8260	Toluene-d8	99
0812073-02	10X DILUTION	EPA-8260	4-Bromofluorobenzene	94
0812073-02	100X DILUTION	EPA-8260	1,2-Dichloroethane-d4	104
0812073-02	100X DILUTION	EPA-8260	Toluene-d8	94
0812073-02	100X DILUTION	EPA-8260	4-Bromofluorobenzene	103
0812073-03		NWTPH-DX	C25	*
0812073-04		NWTPH-DX	C25	98
0812073-05		NWTPH-DX	C25	92
0812073-06		NWTPH-DX	C25	113
0812073-06		EPA-8260	1,2-Dichloroethane-d4	116
0812073-06		EPA-8260	4-Bromofluorobenzene	105
0812073-06		EPA-8270 SIM	Terphenyl-d14	101

* SURROGATE DILUTED OUT OF CALIBRATION RANGE.

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
NWTPH-GX	Soil	GS121008	0812073-01	TPH-Volatile Range	ND(<3)	MG/KG
NWTPH-DX	Soil	DS121208	0812073-01, 03-06	TPH-Diesel Range	ND(<25)	MG/KG
NWTPH-DX	Soil	DS121208	0812073-01, 03-06	TPH-Oil Range	ND(<50)	MG/KG
EPA-8260	Soil	VS121108	0812073-06	Dichlorodifluoromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Chloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Vinyl Chloride	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Bromomethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Chloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Trichlorofluoromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Methylene Chloride	ND(<20)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Trans-1,2-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1-Dichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Cis-1,2-Dichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	2,2-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Bromochloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Chloroform	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1,1-Trichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Carbon Tetrachloride	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2-Dichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Trichloroethene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Dibromomethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Bromodichloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Trans-1,3-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Cis-1,3-Dichloropropene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1,2-Trichloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,3-Dichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Tetrachloroethylene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Dibromochloromethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2-Dibromoethane	ND(<5)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Chlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1,1,2-Tetrachloroethane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Bromoform	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,1,2,2-Tetrachloroethane	ND(<10)	UG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8260	Soil	VS121108	0812073-06	1,2,3-Trichloropropane	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Bromobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	2-Chlorotoluene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	4-Chlorotoluene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,3 Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,4-Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2-Dichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2-Dibromo 3-Chloropropane	ND(<50)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2,4-Trichlorobenzene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	Hexachlorobutadiene	ND(<10)	UG/KG
EPA-8260	Soil	VS121108	0812073-06	1,2,3-Trichlorobenzene	ND(<10)	UG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Naphthalene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	1-Methylnaphthalene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	2-Methylnaphthalene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Acenaphthylene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Acenaphthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Fluorene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Phenanthrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Anthracene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Fluoranthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Pyrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo[A]Anthracene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Chrysene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo[B]Fluoranthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo[K]Fluoranthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo(A)Pyrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Indeno[1,2,3-Cd]Pyrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Dibenz[A,H]Anthracene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo[G,H,I]Perylene	ND(<0.02)	MG/KG
EPA-8260	Water	VW121508	0812073-02	Dichlorodifluoromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Chloromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Vinyl Chloride	ND(<0.2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Bromomethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Chloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Trichlorofluoromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Acetone	ND(<25)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8260	Water	VW121508	0812073-02	1,1-Dichloroethene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Methylene Chloride	ND(<5)	UG/L
EPA-8260	Water	VW121508	0812073-02	Acrylonitrile	ND(<10)	UG/L
EPA-8260	Water	VW121508	0812073-02	Methyl T-Butyl Ether	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Trans-1,2-Dichloroethene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1-Dichloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	2-Butanone	ND(<10)	UG/L
EPA-8260	Water	VW121508	0812073-02	Cis-1,2-Dichloroethene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	2,2-Dichloropropane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Bromochloromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Chloroform	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1,1-Trichloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1-Dichloropropene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Carbon Tetrachloride	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2-Dichloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Benzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Trichloroethene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2-Dichloropropane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Dibromomethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Bromodichloromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Trans-1,3-Dichloropropene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	4-Methyl-2-Pentanone	ND(<10)	UG/L
EPA-8260	Water	VW121508	0812073-02	Toluene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Cis-1,3-Dichloropropene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1,2-Trichloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	2-Hexanone	ND(<10)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,3-Dichloropropane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Tetrachloroethylene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Dibromochloromethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2-Dibromoethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Chlorobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1,1,2-Tetrachloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Ethylbenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	m,p-Xylene	ND(<4)	UG/L
EPA-8260	Water	VW121508	0812073-02	Styrene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	o-Xylene	ND(<2)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8260	Water	VW121508	0812073-02	Bromoform	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Isopropylbenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,1,2,2-Tetrachloroethane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2,3-Trichloropropane	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Bromobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	N-Propyl Benzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	2-Chlorotoluene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,3,5-Trimethylbenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	4-Chlorotoluene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	T-Butyl Benzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2,4-Trimethylbenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	S-Butyl Benzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	P-Isopropyltoluene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,3 Dichlorobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,4-Dichlorobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	N-Butylbenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2-Dichlorobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2-Dibromo 3-Chloropropane	ND(<10)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2,4-Trichlorobenzene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Hexachlorobutadiene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	Naphthalene	ND(<2)	UG/L
EPA-8260	Water	VW121508	0812073-02	1,2,3-Trichlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Pyridine	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	N-Nitrosodimethylamine	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Phenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Aniline	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Bis(2-Chloroethyl)Ether	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Chlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	1,3-Dichlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	1,4-Dichlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzyl Alcohol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	1,2-Dichlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Methylphenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Bis(2-Chloroisopropyl)Ether	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	3&4-Methylphenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	N-Nitroso-Di-N-Propylamine	ND(<2)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8270	Water	SVW121608	0812073-02	Hexachloroethane	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Nitrobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Isophorone	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Nitrophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4-Dimethylphenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzoic Acid	ND(<10)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Bis(2-Chloroethoxy)Methane	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4-Dichlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	1,2,4-Trichlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Naphthalene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Chloroaniline	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,6-Dichlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Hexachlorobutadiene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Chloro-3-Methylphenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Methylnaphthalene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	1-Methylnaphthalene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Hexachlorocyclopentadiene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4,6-Trichlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4,5-Trichlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Chloronaphthalene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2-Nitroaniline	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Acenaphthylene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Dimethylphthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,6-Dinitrotoluene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Acenaphthene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	3-Nitroaniline	ND(<5)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4-Dinitrophenol	ND(<10)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Nitrophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Dibenzofuran	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,4-Dinitrotoluene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	2,3,4,6-Tetrachlorophenol	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Diethylphthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Fluorene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Chlorophenyl-Phenylether	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Nitroaniline	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4,6-Dinitro-2-Methylphenol	ND(<2)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8270	Water	SVW121608	0812073-02	N-Nitrosodiphenylamine	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Azobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	4-Bromophenyl-Phenylether	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Hexachlorobenzene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Pentachlorophenol	ND(<5)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Phenanthrene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Anthracene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Carbazole	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Di-N-Butylphthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Fluoranthene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Pyrene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Butylbenzylphthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	3,3'-Dichlorobenzidine	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzo[A]Anthracene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Chrysene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Bis(2-Ethylhexyl)Phthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Di-N-Octylphthalate	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzo[B]Fluoranthene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzo[K]Fluoranthene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzo[A]Pyrene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Indeno[1,2,3-Cd]Pyrene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Dibenz[A,H]Anthracene	ND(<2)	UG/L
EPA-8270	Water	SVW121608	0812073-02	Benzo[G,H,I]Perylene	ND(<2)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1016	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1221	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1232	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1242	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1248	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1254	ND(<0.1)	UG/L
EPA-8082	Water	PS121508	0812073-02	PCB-1260	ND(<0.1)	UG/L
EPA-7470	Water	HGW122308-1	0812073-02	Mercury	ND(<0.2)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Arsenic	ND(<40)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Barium	ND(<20)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Cadmium	ND(<5)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Chromium	ND(<7)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Lead	ND(<40)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-6010	Water	ICPW121908-1	0812073-02	Selenium	ND(<40)	UG/L
EPA-6010	Water	ICPW121908-1	0812073-02	Silver	ND(<30)	UG/L

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD
NWTPH-GX	Soil	GS121008	0812073-01	TPH-Volatile Range	76 %	81 %	6
NWTPH-DX	Soil	DS121208	0812073-01, 03-06	TPH-Diesel Range	85 %	89 %	5
EPA-8260	Soil	VS121108	0812073-06	1,1-Dichloroethene	101 %	105 %	3
EPA-8260	Soil	VS121108	0812073-06	Trichloroethene	106 %	106 %	0
EPA-8260	Soil	VS121108	0812073-06	Chlorobenzene	91 %	93 %	2
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Naphthalene	98 %	102 %	4
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Acenaphthene	98 %	105 %	7
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Pyrene	100 %	104 %	4
EPA-8270 SIM	Soil	PAHS121208	0812073-06	Benzo[G,H,I]Perylene	97 %	103 %	6
EPA-8260	Water	VW121508	0812073-02	1,1-Dichloroethene	101 %	102 %	1
EPA-8260	Water	VW121508	0812073-02	Benzene	100 %	102 %	3
EPA-8260	Water	VW121508	0812073-02	Trichloroethene	100 %	104 %	4
EPA-8260	Water	VW121508	0812073-02	Toluene	99 %	103 %	4
EPA-8260	Water	VW121508	0812073-02	Chlorobenzene	103 %	105 %	2
EPA-8270	Water	SVW121608	0812073-02	Phenol	31 %	30 %	1
EPA-8270	Water	SVW121608	0812073-02	2-Chlorophenol	73 %	71 %	2
EPA-8270	Water	SVW121608	0812073-02	1,4-Dichlorobenzene	60 %	50 %	18 *
EPA-8270	Water	SVW121608	0812073-02	N-Nitroso-Di-N-Propylamine	67 %	72 %	8
EPA-8270	Water	SVW121608	0812073-02	1,2,4-Trichlorobenzene	63 %	57 %	11
EPA-8270	Water	SVW121608	0812073-02	4-Chloro-3-Methylphenol	77 %	75 %	3
EPA-8270	Water	SVW121608	0812073-02	Acenaphthene	65 %	66 %	3
EPA-8270	Water	SVW121608	0812073-02	4-Nitrophenol	20 %	18 %	10
EPA-8270	Water	SVW121608	0812073-02	2,4-Dinitrotoluene	75 %	82 %	9
EPA-8270	Water	SVW121608	0812073-02	Pentachlorophenol	85 %	83 %	2
EPA-8270	Water	SVW121608	0812073-02	Pyrene	86 %	91 %	5
EPA-8082	Water	PS121508	0812073-02	PCB-1016	89 %	82 %	8
EPA-8082	Water	PS121508	0812073-02	PCB-1260	89 %	82 %	8
EPA-7470	Water	HGW122308-1	0812073-02	Mercury	96 %	97 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Arsenic	105 %	105 %	0
EPA-6010	Water	ICPW121908-1	0812073-02	Barium	101 %	102 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Cadmium	101 %	102 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Chromium	104 %	105 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Lead	103 %	104 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Selenium	107 %	108 %	1
EPA-6010	Water	ICPW121908-1	0812073-02	Silver	105 %	106 %	1

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/24/2008
CCIL JOB #: 0812073
DATE RECEIVED: 12/12/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD

* RPD OUTSIDE OF CONTROL LIMITS. ASSOCIATED SPIKE RESULTS WITHIN CONTROL LIMITS. NO CORRECTIVE ACTION TAKEN.

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI Analytical Laboratories
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only)

Date 12/12/08 Page 1 Of

PROJECT ID: (b) (6) 0760-002
REPORT TO COMPANY: Pinnacle GeoScience
PROJECT MANAGER: Norm Pan
ADDRESS: Email Result to Steve Berrigan
(b) (6)
PHONE: FAX:
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Pinnacle
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☒ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☒ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. BEX-5-8.0	12/12/08	1000	S	1		X	X													EPA 5035 Sampling		
2. Tank Water		1015	W	2							X			X		X	X			← Note: Standard TAT		
3. WIOSP-1		1225	S	3		X																
4. WOEX-1-6.0		1300	↓	4		X																
5. WOEX-2-6.0		1310		5		X																
6. WOEX-3-8.0		1320	↓	6		X				X					X					X		
7.																						
8.																						
9.																						
10.																						

#2 ~~5~~ #1 5035 High #6 5035 Low

SPECIAL INSTRUCTIONS

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Pinnacle GeoScience 12/12/08 1340
   Received By: CCIA 12/12/08 13:40
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | X | SAME DAY

OTHER:
Specify: Standard TAT on "Tank Water" 24 hr TAT on all others.

* Turnaround request less than standard may incur Rush Charges

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/16/2008
CCIL JOB #: 0812076
DATE RECEIVED: 12/15/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/15/2008 8:20 BEX-6-8.0
CCIL SAMPLE #: -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	10	MG/KG	12/15/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/16/2008	DLC
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/16/2008	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/16/2008
CCIL JOB #: 0812076
DATE RECEIVED: 12/15/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/15/2008 8:30 BEX-7-8.0
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	12	MG/KG	12/15/2008	DLC
TPH-Diesel Range	NWTPH-DX	ND(<25)	MG/KG	12/15/2008	DLC
TPH-Oil Range	NWTPH-DX	ND(<50)	MG/KG	12/15/2008	DLC
Arsenic	EPA-6010	ND(<5.0)	MG/KG	12/16/2008	BAM
Cadmium	EPA-6010	ND(<1.0)	MG/KG	12/16/2008	BAM
Chromium	EPA-6010	34	MG/KG	12/16/2008	BAM
Lead	EPA-6010	7.9	MG/KG	12/16/2008	BAM
Mercury	EPA-7471	0.06	MG/KG	12/16/2008	BAM

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/16/2008
CCIL JOB #: 0812076
DATE RECEIVED: 12/15/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0812076-01	NWTPH-GX	TFT	96
0812076-01	NWTPH-DX	C25	106
0812076-02	NWTPH-GX	TFT	101
0812076-02	NWTPH-DX	C25	110

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/16/2008
CCIL JOB #: 0812076
DATE RECEIVED: 12/15/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
NWTPH-GX	Soil	GS121108	0812076-01, 02	TPH-Volatile Range	ND(<3)	MG/KG
NWTPH-DX	Soil	DS121208	0812076-01, 02	TPH-Diesel Range	ND(<25)	MG/KG
NWTPH-DX	Soil	DS121208	0812076-01, 02	TPH-Oil Range	ND(<50)	MG/KG
EPA-7471	Soil	HGS121608-1	0812076-02	Mercury	ND(<0.02)	MG/KG
EPA-6010	Soil	ICPS121608-3	0812076-02	Arsenic	ND(<5.0)	MG/KG
EPA-6010	Soil	ICPS121608-3	0812076-02	Cadmium	ND(<1.0)	MG/KG
EPA-6010	Soil	ICPS121608-3	0812076-02	Chromium	ND(<1.0)	MG/KG
EPA-6010	Soil	ICPS121608-3	0812076-02	Lead	ND(<5.0)	MG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/16/2008
CCIL JOB #: 0812076
DATE RECEIVED: 12/15/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD
NWTPH-GX	Soil	GS121108	0812076-01, 02	TPH-Volatile Range	76 %	78 %	3
NWTPH-DX	Soil	DS121208	0812076-01, 02	TPH-Diesel Range	85 %	89 %	5
EPA-7471	Soil	HGS121608-1	0812076-02	Mercury	99 %	103 %	4
EPA-6010	Soil	ICPS121608-3	0812076-02	Arsenic	93 %	95 %	2
EPA-6010	Soil	ICPS121608-3	0812076-02	Cadmium	98 %	100 %	2
EPA-6010	Soil	ICPS121608-3	0812076-02	Chromium	101 %	102 %	1
EPA-6010	Soil	ICPS121608-3	0812076-02	Lead	99 %	99 %	0

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI Analytical Laboratories
8620 Holly Drive
Everett, WA 98208
Phone (425) 356-2600
(206) 292-9059 Seattle
(425) 356-2626 Fax
http://www.ccilabs.com

Chain Of Custody/ Laboratory Analysis Request

CCI Job# (Laboratory Use Only): 812076

Date 12/15/08 Page 1 Of 1

PROJECT ID: (b) (6) 0260-002
REPORT TO COMPANY: Pinnacle GeoSciences
PROJECT MANAGER: Norm Puri
ADDRESS:
PHONE: FAX:
P.O. NUMBER: E-MAIL:
INVOICE TO COMPANY: Pinnacle GeoSciences
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED / OTHER (Specify)

	SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☒ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐		EPA 5035 Sampling						NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1.	BEX-6-8.0	12/15	0820	S	1		X	X														X						2	
2.	BEX-7-8.0		0830	S	2		X	X										X				X						2	
3.																													
4.																													
5.																													
6.																													
7.																													
8.																													
9.																													
10.																													

SPECIAL INSTRUCTIONS

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [signature] Pinnacle GeoSciences 12/15/08 1100
   Received By: [signature] ACS 12/15/08 1445
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 (Standard) ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☒ SAME DAY ☐

Fuels & Hydrocarbon Analysis: 5 (Standard) ☐ 3 ☐ 1 ☒ SAME DAY ☐

OTHER:
Specify: Samples rec'd per 5035 high kits.

* Turnaround request less than standard may incur Rush Charges

REPORT COPY

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/16/2008 10:30 WOEX-4-6.0
CCIL SAMPLE #: -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX W/CLEANUP	ND(<25)	MG/KG	12/17/2008	DLC
TPH-Oil Range	NWTPH-DX W/CLEANUP	78	MG/KG	12/17/2008	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/16/2008 10:45 WOEX-5-6.0
CCIL SAMPLE #: -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX W/CLEANUP	ND(<25)	MG/KG	12/17/2008	DLC
TPH-Oil Range	NWTPH-DX W/CLEANUP	97	MG/KG	12/17/2008	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY LUBE OIL.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/16/2008 11:15 WOEX-6-8.0
CCIL SAMPLE #: -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX W/CLEANUP	37	MG/KG	12/17/2008	DLC
TPH-Oil Range	NWTPH-DX W/CLEANUP	140	MG/KG	12/17/2008	DLC
PCB-1016	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1221	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1232	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1242	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1248	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1254	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
PCB-1260	EPA-8082	ND(<0.1)	MG/KG	12/19/2008	RAL
Arsenic	EPA-6010	14	MG/KG	12/17/2008	BAM
Cadmium	EPA-6010	ND(<1.0)	MG/KG	12/17/2008	BAM
Chromium	EPA-6010	40	MG/KG	12/17/2008	BAM
Lead	EPA-6010	140	MG/KG	12/17/2008	BAM
Mercury	EPA-7471	0.11	MG/KG	12/17/2008	BAM

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCTS WHICH ARE LIKELY DIESEL FUEL AND LUBE OIL.

DIESEL RANGE PRODUCT RESULTS BIASED HIGH DUE TO MOTOR OIL RANGE PRODUCT OVERLAP.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002
CLIENT SAMPLE ID: 12/16/2008 11:30 BEX-8-8.0
CCIL SAMPLE #: -04

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	4	MG/KG	12/16/2008	DLC
Benzene	EPA-8021	ND(<0.03)	MG/KG	12/16/2008	DLC
Toluene	EPA-8021	ND(<0.05)	MG/KG	12/16/2008	DLC
Ethylbenzene	EPA-8021	ND(<0.05)	MG/KG	12/16/2008	DLC
Xylenes	EPA-8021	ND(<0.2)	MG/KG	12/16/2008	DLC
TPH-Diesel Range	NWTPH-DX W/CLEANUP	ND(<25)	MG/KG	12/17/2008	DLC
TPH-Oil Range	NWTPH-DX W/CLEANUP	ND(<50)	MG/KG	12/17/2008	DLC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY STODDARD SOLVENT.

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0812081-01	NWTPH-DX W/CLEANUP	C25	99
0812081-02	NWTPH-DX W/CLEANUP	C25	102
0812081-03	NWTPH-DX W/CLEANUP	C25	110
0812081-03	EPA-8082	TCMX	78
0812081-03	EPA-8082	DCB	107
0812081-04	NWTPH-GX	TFT	116
0812081-04	EPA-8021	TFT	79
0812081-04	NWTPH-DX W/CLEANUP	C25	100

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
NWTPH-GX	Soil	GS121108	0812081-04	TPH-Volatile Range	ND(<3)	MG/KG
EPA-8021	Soil	GS121108	0812081-04	Benzene	ND(<0.03)	MG/KG
EPA-8021	Soil	GS121108	0812081-04	Toluene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121108	0812081-04	Ethylbenzene	ND(<0.05)	MG/KG
EPA-8021	Soil	GS121108	0812081-04	Xylenes	ND(<0.2)	MG/KG
NWTPH-DX	Soil	DS121208	0812081-01 to 04	TPH-Diesel Range	ND(<25)	MG/KG
NWTPH-DX	Soil	DS121208	0812081-01 to 04	TPH-Oil Range	ND(<50)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1016	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1221	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1232	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1242	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1248	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1254	ND(<0.1)	MG/KG
EPA-8082	Soil	P121808	0812081-03	PCB-1260	ND(<0.1)	MG/KG
EPA-7471	Soil	HGS121708-1	0812081-03	Mercury	ND(<0.02)	MG/KG
EPA-6010	Soil	ICPS121708-1	0812081-03	Arsenic	ND(<5.0)	MG/KG
EPA-6010	Soil	ICPS121708-1	0812081-03	Cadmium	ND(<1.0)	MG/KG
EPA-6010	Soil	ICPS121708-1	0812081-03	Chromium	ND(<1.0)	MG/KG
EPA-6010	Soil	ICPS121708-1	0812081-03	Lead	ND(<5.0)	MG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES
A Division of DataChem Laboratories, Inc.

ALS

CERTIFICATE OF ANALYSIS

CLIENT: PINNACLE GEOSCIENCES, INC.
13620 NE 20TH ST. SUITE J
BELLEVUE, WA 98005

DATE: 12/23/2008
CCIL JOB #: 0812081
DATE RECEIVED: 12/16/2008
WDOE ACCREDITATION #: C1336

CLIENT CONTACT: NORM PURI
CLIENT PROJECT ID: (b) (6) 0260-002

QUALITY CONTROL RESULTS

BLANK SPIKE/BLANK SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	BLANK SPIKE RECOVERY	BLANK SPIKE DUP RECOVERY	RPD
NWTPH-GX	Soil	GS121108	0812081-04	TPH-Volatile Range	76 %	78 %	3
EPA-8021	Soil	GS121108	0812081-04	Benzene	107 %	107 %	0
EPA-8021	Soil	GS121108	0812081-04	Toluene	113 %	113 %	0
EPA-8021	Soil	GS121108	0812081-04	Ethylbenzene	105 %	105 %	0
EPA-8021	Soil	GS121108	0812081-04	Xylenes	112 %	113 %	1
NWTPH-DX	Soil	DS121208	0812081-01 to 04	TPH-Diesel Range	85 %	89 %	5
EPA-8082	Soil	P121808	0812081-03	PCB-1016	94 %	79 %	17
EPA-8082	Soil	P121808	0812081-03	PCB-1260	94 %	79 %	17
EPA-7471	Soil	HGS121708-1	0812081-03	Mercury	97 %	97 %	0
EPA-6010	Soil	ICPS121708-1	0812081-03	Arsenic	99 %	99 %	0
EPA-6010	Soil	ICPS121708-1	0812081-03	Cadmium	98 %	97 %	1
EPA-6010	Soil	ICPS121708-1	0812081-03	Chromium	102 %	101 %	1
EPA-6010	Soil	ICPS121708-1	0812081-03	Lead	95 %	96 %	1

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

ATTACHEMENT C – SOIL DISPOSAL RECEIPTS

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11809 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158095	20890

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	9:47 am
DATE OUT	**TIME OUT**
10 December 2008	9:56 am
VEHICLE	**ROLL OFF**
SOIL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 96,480.00 lb 44 CLEARCREEK
Tare Weight 40,200.00 lb
Net Weight 56,280.00 lb 28.14 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.14	TN	SW-CONT SOIL W/FUEL				
		Manifest#				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 -- 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158143	20890

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	10:55 am
DATE OUT	**TIME OUT**
10 December 2008	11:01 am
VEHICLE	**ROLL OFF**
SOIL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 101,920.00 lb
Tare Weight 40,260.00 lb
Net Weight 61,660.00 lb 30.83 TN

44 CLEARCREEK

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
30.83	TN	SW-CONT SOIL W/FUEL				

Manifest:

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158202	208090

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	12:11 pm
DATE OUT	**TIME OUT**
10 December 2008	12:15 pm
VEHICLE	**ROLL OFF**
SOIL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 104,120.00 lb 44 CLEARCREEK
Tare Weight 40,160.00 lb
Net Weight 63,960.00 lb 31.98 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.98	TN	SW-CONT SOIL W/FUEL				

Manifest #

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158282	208090

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	2:02 pm
DATE OUT	**TIME OUT**
10 December 2008	2:08 pm
VEHICLE	**ROLL OFF**
6ATL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 108,320.00 lb 44 CLEARREKA
Tare Weight 40,280.00 lb
Net Weight 68,040.00 lb 34.02 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
34.02	TN	SW-CONT SOIL W/FUEL				

Manifested

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158132	208090

WEIGHMASTER: T000091 TIARA C

DATE IN	TIME IN
10 December 2008	10:37 am
DATE OUT	**TIME OUT**
10 December 2008	10:46 am
VEHICLE	**ROLL OFF**
SOIL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 103,380.00 lb
Tare Weight 40,260.00 lb
Net Weight 63,120.00 lb 31.56 TN

43 CLEARCREEK

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
31.56	TN	SW-CONT SOIL W/FUEL				

Manifested

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE Murphy

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 — 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158186 -	208090

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	11:42 am

DATE OUT	TIME OUT
10 December 2008	11:57 am

VEHICLE	ROLL OFF
SOIL	

REFERENCE	ORIGIN
	SEATTLE/KING

00 Gross Weight 97,900.00 lb 43 CLEARCREEK
Tare Weight 40,380.00 lb
Net Weight 57,520.00 lb 28.76 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.76	TN	SW-CONT SOIL W/FUEL				

Manifested

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE Murphy

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	158249	208090

WEIGHTMASTER: TC00091 TIARA C

DATE IN	TIME IN
10 December 2008	1:09 pm
DATE OUT	**TIME OUT**
10 December 2008	1:15 pm
VEHICLE	**ROLL OFF**
3611	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 106,260.00 lb 43 CLEARCREEK
Tare Weight 40,330.00 lb
Net Weight 65,930.00 lb 32.94 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
32.94	TN	SW-CONT SOIL W/FUEL				
		Manifest#				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE Murphy

208090

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SOLD	TICKET 99766	GRID
TC00091 TIARA CWEIGHMASTER		
DATE IN December 2008	TIME IN 00 pm	
DATE OUT December 2008	TIME OUT 16 pm	
VEHICLE		ROLL OFF
REFERENCE	ORIGIN SEATTLE/KING	

00 Gross Weight 109,600.00 lb 45 CLEARCREEK
Tare Weight 40,940.00 lb
Net Weight 68,660.00 lb 34.33 TN

QTY 34.33	UNIT	SW-CONT DESCRIPTION FUEL	RATE	EXTENSION	TAX	TOTAL
3433	TON	Class 3/4 Soil				
		Manifest#				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
4RD AND LANDER

208090

SEATTLE, WA
014755 -- 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SCALE	TICKET 59233	GRID
TC00091 TIARA WEIGHMASTER		
DATE IN December 2008		TIME IN 27 pm
DATE OUT December 2008		TIME OUT 34 pm
VEHICLE		ROLL OFF
REFERENCE	ORIGIN SEATTLE/KING	

00 Gross Weight 108,140.00 lb
Tare Weight 41,300.00 lb
Net Weight 66,840.00 lb 33.42 TN

44 CLEARCREEK

QTY 33.42	UNIT	SW-CONT DESCRIPTION/FUEL	RATE	EXTENSION	TAX	TOTAL
		Class 3/4 Soil 33.42 TONS				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
014755 - 0023
CLEARCREEK CONTRACTORS
11803 Des Moines Memorial Drive, Seattle
Everett, WA
Contract: LW-81462

SITE	TICKET	GRID
01	161610	208090

WEIGHMASTER: TC00091 TIARA C

DATE IN	TIME IN
30 December 2008	10:01 am
DATE OUT	**TIME OUT**
30 December 2008	10:03 am
VEHICLE	**ROLL OFF**
SOIL	
REFERENCE	**ORIGIN**
	SEATTLE/KING

00 Gross Weight 42,300.00 lb
Tare Weight 29,040.00 lb
Net Weight 13,260.00 lb 6.63 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
6.63	TN	SW-CONT SOIL W/FUEL				

Manifested

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE